

NEWSPACE MARKET · SECTOR CATALOGUE

Solar Panels & Arrays

Every unit we list in this sector — specifications, manufacturers and where to ask for a quote. Compiled from the live NewSpace Market catalogue.

158

PRODUCTS

48

MANUFACTURERS

18

COUNTRIES

59

WITH DATASHEETS

newspacemarket.com/catalogues/solar-panels/

as of 2 September 2026

What is inside

This catalogue lists **158 solar panels & arrays products** offered by **48 manufacturers** across **18 countries**. Of those, 59 carry a manufacturer datasheet and 8 publish a price; the rest are quoted on request — normal in this market, where configuration drives cost.

Entries are grouped alphabetically by manufacturer. Every product links back to its page on [newspacemarket.com](#), where you will find the full specification, the datasheet and a quote form that reaches the manufacturer directly.

Compiled 2 September 2026 from the live catalogue. Specifications are as published by the manufacturers; we normalise units but do not re-measure. Where a figure looked implausible it was left out rather than guessed.

Manufacturers by country

United States 16	India 4	Germany 3	Russia 3	United Kingdom 2	France 2	Spain 2
Netherlands 2	China 2	Italy 1	Bulgaria 1	Ecuador 1	Denmark 1	South Korea 1
Luxembourg 1	Lithuania 1	Thailand 1	Slovakia 1			

All products at a glance

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
135W Dual Articulated Deployable Solar Array	Pumpkin, Inc.	United States	Mass of array and sadas: ~4360 g (31 W/kg)	on request
1U Solar Panel	NBSpace	Thailand	Product family: Photovoltaic Panel (1U/3U/6U)	on request
1U Solar Panel	Aphelion Orbitals	United States	Cell efficiency: 30.5% triple junction	on request
1U Solar Panels	CubeSat Aerospace	India	Panel type: Custom PCB-based solar panel	on request
220W Deployable Clamshell Solar Array (DCSA)	Pumpkin, Inc.	United States	Mass: ~5050g (44W/kg)	on request
24U CubeSat Solar Array (Very High Power)	MMA Design	—	Power output: 330 W (single deployed wing)	on request
32% Efficiency Triple Junction GaAs Solar Cell	CAVU Aerospace	United Kingdom	Efficiency at BOL: 32%	on request
3U Deployable Solar Array	EnduroSat	Bulgaria	Power efficiency at BOL: 30+%	on request
3U Solar Panel	EnduroSat	Bulgaria	Power efficiency (BOL): 30+	on request
3U Solar Panel	NBSpace	Thailand	Product family: Photovoltaic Panel (1U/3U/6U)	on request
6U Deployable Solar Array	EnduroSat	Bulgaria	Power efficiency @ EOL: 29+%	on request
6U Solar Panel	NBSpace	Thailand	Product family: Photovoltaic Panel (1U/3U/6U)	on request
6U Solar Panel	EnduroSat	Bulgaria	Power efficiency at BOL: 30+%	on request
77cm 2 Class (SuperCell) Triple Junction Solar Cell	Spectrolab	United States	Average BOL efficiency: 30.7%	on request
8U Deployable Solar Array	EnduroSat	Bulgaria	Power efficiency at BOL: 30+%	on request
8U SOLAR PANEL	EnduroSat	Bulgaria	Power efficiency at BOL: 30+%	on request
Advanced Solar Power Systems	Astradyne	United States	Solar cell type: 4-junction InGaP/GaAs/InGaAs	on request
Body Mounted Solar Panels	NPC Spacemind	—	—	on request
Body-Mounted Solar Array	Dcubed	Germany	Power: up to 400 W	on request
Chiyu Solar Energy System	Hongqing Technology (鸿擎科技)	China	Type: Deployable solar wing / solar array	on request
CLASP Composite Lightweight Array with Shape-memory Polymer	CTD (Composite Technology Development)	United States	Specific power: Exceeds 250 W/kg	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
CORE-01 1U Cubesat Solar panel	2NDSpace Srl	Italy	Peak Power: 2.45 W	on request
CORE-01Z 1U Cubesat Top Solar panel	2NDSpace Srl	Italy	Peak Power: 2.45 W	on request
CORE-02 2U Cubesat Solar panel	2NDSpace Srl	Italy	Peak Power: 5 W	on request
CORE-03 3U Cubesat Solar panel	2NDSpace Srl	Italy	Peak Power: 8.54 W	on request
CORE-06Z 6U/8U Cubesat Top Solar panel	2NDSpace Srl	Italy	Peak Power: 4.9 W	on request
CORE-08 4U/8U Cubesat Solar panel	2NDSpace Srl	Italy	Peak Power: 11 W	on request
CORE-12 6U/12U Cubesat Solar panel	2NDSpace Srl	Italy	Peak Power: 19.6 W	on request
CORE-12Z	2NDSpace Srl	Italy	Peak Power: 9.76 W	on request
CORE-16	2NDSpace Srl	Italy	Peak Power: 24.4 W	on request
COTS Solar Arrays for Satellites	DHV Technology	Spain	–	on request
CubeSat GaAs End/Edge Solar Panel SXC-SGE-03	SPUTNIX	Russia	Dimensions: 98 × 98 × 10 mm	on request
CubeSat GaAs Side Solar Panel SXC-SGS-03	SPUTNIX	Russia	Dimensions: 98 × 82.6 × 8.6 mm	on request
CubeSat GaAs Solar Panel	NanoAvionics	Lithuania	Solar cell efficiency: up to 29.5 %	on request
CubeSat HDK Solar Array	Ascent Solar Technologies	United States	Form factors: 0.5U, 1U, 3U, 6U	on request
CubeSat Kit Fixed Solar Panel: End Panel	Pumpkin, Inc.	United States	SKU: 710-00764	\$2 500
CubeSat Kit Fixed Solar Panels	Pumpkin, Inc.	United States	Panel thickness: 0.031in / 0.8 mm	\$2 500 – \$5 61
CubeSat Solar panel DHV-CS-10	DHV Technology	Spain	Manufacturer: DHV Technology	€1 450
Custom PMDSAS Panel, Body-Mounted, per Cell	Pumpkin, Inc.	United States	Technology: Pumpkin Modular Deployable Solar Array System (PMDSAS)	\$1 250
Custom PMDSAS Panel, Deployable, per Cell	Pumpkin, Inc.	United States	Technology: Pumpkin Modular Deployable Solar Array System (PMDSAS)	\$1 500
Custom Solar Panels	Pumpkin, Inc.	United States	–	on request
D-SP Deployable Solar Panels	NPC Spacemind	–	D-sp3x-v: 3U/6U vertical deployment, Peak power 8-8.8 W, Voc 18.2-19.3 V	on request
D-SP3X-L-1W	NPC Spacemind	–	Peak power: 8 - 8.8 W	on request
D-SP3X-L-2W	NPC Spacemind	–	Configuration: 2 Wings Lateral	on request
D-SP6X-L-1W	NPC Spacemind	–	Deployable solar panel for: XY side	on request
D-SP6X-L-2W	NPC Spacemind	–	Compatibility: 6U/12U CubeSat structures	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
D-SP6X-V	NPC Spacemind	–	Peak power: 16.1 - 17.5 W	on request
D-SP8X-L-1W	NPC Spacemind	–	Configuration: 1 Wing Lateral	on request
D-SP8X-L-2W	NPC Spacemind	–	Peak power: 46 - 50 W	on request
D-SP8X-V	NPC Spacemind	–	Peak power: 23 - 25 W	on request
Deployable Solar Array	Beyond Reach Labs	United States	Type: Deployable solar array	on request
Deployable Solar Panels	NPC Spacemind	–	–	on request
DragonSCALES	mPower Technology	United States	High packing factor: Unique cell sizes yield greater power efficiency	on request
DragonSCALES Silicon Solar Cell Technology	mPower Technology	United States	Cell technology: Patented silicon solar cell (not GaAs/III-V)	on request
DROP Deployable Solar Panels	2NDSpace Srl	Italy	Form factor range: 1U to 16U	on request
DROP-03 3U Deployable Solar panel	2NDSpace Srl	Italy	Deployable elements: 1	on request
DROP-08 8U/4U Deployable Solar panel	2NDSpace Srl	Italy	Deployable elements: 1	on request
DROP-12 12U Deployable Solar panel	2NDSpace Srl	Italy	Deployable elements: 1	on request
DROP-16 8U/16U Deployable Solar panel	2NDSpace Srl	Italy	Suggested for: 8U/16U	on request
ELSA	Deployable Space Systems (DSS) — now Redwire	United States	Payload size (STOWED): Configurable per mission requirements	on request
EP-500V HDK Solar Array	Ascent Solar Technologies	United States	Output voltage: 500 V	on request
EXA DMSA – Deployable Multifunction Solar Array	EXA (Ecuadorian Space Agency)	Ecuador	Manufacturer: EXA	on request
FlexArray Solar Array System	MMA Design	–	Substrate: Thin-film membrane	on request
Flexible Blanket Solar Array	Deubed	Germany	EOL power: up to 2 kW	on request
Flexible High-Efficiency Space Solar Arrays	Flexell	United States	Technology: Flexible thin-film photovoltaics (CIGS or OPV) on polymer subst...	on request
GaAs end edge solar panel with coils	SPUTNIX	Russia	Model: SPUTNIX SXC-SGE-03	on request
GaAs side solar panel with coils	SPUTNIX	Russia	Model: SPUTNIX SXC-SGS-03	on request
GaAs Solar Panel with Coils (end edge)	Glavkosmos	Russia	Year of release: 2017	on request
GaAs Solar Panel with Coils (side)	Glavkosmos	Russia	Purpose: Electrical power source for CubeSat satelllites with built-in elect...	on request
GaInP/GaAs/Ge Lattice Matched 3J Solar Cells	Spectrolab	United States	Cell type: GaInP/GaAs/Ge lattice matched 3J	on request
Green Cells HJT Solar Cell	Maana Electric	Luxembourg	Cell technology: Heterojunction (HJT)	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
HaWK High Watts per Kilogram Solar Arrays	MMA Design	–	Power output range: 36 W to 330 W	on request
IMT μSADA Miniaturized Solar Array Drive Assembly	IMT (Ingegneria Marketing Technologies)	–	Compatible platforms: ISIS/GomSpace 6U, 12U CubeSats	on request
KSSP Solar Panels	Kairo Space	South Korea	Types: Body-mounted and deployable	on request
Large Deployable Solar Arrays	Source Energy	United States	Boom material: Aluminium or Carbon Fibre Pantograph	on request
Lunar Rover Solar Panel	Pumpkin, Inc.	United States	Example configuration: 72-cell, 6x10S1P + 1x12S1P solar panel	on request
MISC™ Solar Panel Arrays	Pumpkin, Inc.	United States	–	on request
Modular Self Stiffening Array (MOSSA)	Opterus Research and Development	United States	–	on request
Nano-Thin Flexible Solar Module	Flexell	United States	Silicon use: ~1% of conventional	on request
NanoPower DSP	GomSpace	Denmark	Operational Temperature Range: -60°C to +80°C	on request
NanoPower MSP	GomSpace	Denmark	Operational Temperature Range: -55°C to 150°C	on request
NanoPower TSP-45W	GomSpace	Denmark	Cells per panel: 15	on request
Nanosatellite Solar Panel	Glavkosmos	Russia	Purpose: Solar cell board designed to provide power for nanosatellite by co...	on request
ODALISS Solar Panels	Emxys	Spain	Cell efficiency: higher than 29%	on request
Origami Solar Array	Dcubed	Germany	Short delivery time: 12 months	on request
QJ 4G32-Advanced Space Solar Cell (4x8)	AZUR SPACE	Germany	Part numbers: 82921 (bare cell) / 82922 (assembly)	on request
QJ 4G32-Advanced Space Solar Cell (8x8)	AZUR SPACE	Germany	Part numbers: 82883 (bare cell) / 82884 (assembly)	on request
QJ 4G32-Advanced Space Solar Cell (HP)	AZUR SPACE	Germany	Part numbers: 82902 (bare cell) / 82903 (assembly)	on request
Ra	Spacemanic s.r.o.	Slovakia	Flight heritage: Yes	on request
Ra Solar Panels	Spacemanic s.r.o.	Slovakia	Solar cell type: Premium triple-junction GaAs	€2 400 – €18
Redwire HiPASS – High-Power Rigid Array Solution for SmallSats	Redwire Corporation	United States	Deployed wing dimensions: 54 x 144 x 8 in (137 x 365 x 20 cm)	on request
Redwire Rigid Panel Solar Array Systems	Redwire Corporation	United States	Power generation: 50 W to >15 kW per wing	on request
Rigid Panel Solar Array	Redwire Corporation	United States	Array type: Rigid panel, deployable	on request
Rigid-Deployable Solar Array	Dcubed	Germany	–	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Roll Out Solar Array (ROSA)	Redwire Corporation	United States	Configuration: Diamond	on request
ROSA — Roll-Out Solar Array	Roccor (Redwire)	United States	Rosa diamond: BOL power 3.3 kW; mass 36 kg; deployed length 8.6 m; stowed w...	on request
ROSA Roll-Out Solar Array	Redwire Corporation	United States	—	on request
ROSA Roll-Out Solar Array (Redwire / DSS)	Deployable Space Systems (DSS) — now Redwire	United States	Array type: Roll-stowable blanket photovoltaic	on request
SADM	Comat	France	SADM-CP Power Transfer: Up to 400 W per wing	on request
SADM-200	Comat	France	Power (qualified): 200 W at 28 V	on request
Satellite Solar Panels	ISISPACE Group	Netherlands	Mass — 1u: 50 g	on request
Satellite Solar Panels and Power Systems	Azista Industries	India	Product: Multi-junction GaAs solar panels and arrays for satellites	on request
Si Solar panel with Coils (end edge)	Glavkosmos	Russia	Year of release: 2017	on request
Si Solar Panel with Coils (side)	Glavkosmos	Russia	Year of release: 2017	on request
Small Solar Arrays	Source Energy	United States	Configurations: Bodymount, Rigid Deployable	on request
SmallSat GaAs Deployable Solar Panels	NanoAvionics	Lithuania	Solar cell type: Triple-junction GaInP/GaInAs/Ge	on request
Smallsat HDK Solar Array	Ascent Solar Technologies	United States	Platform compatibility: ESPA and ESPA Grande	on request
Solar Array Drive Assemblies	Blue Canyon Technologies	United States	SADA-3 Mass: 1.5 kg	on request
Solar Array Drive Assembly (SADA)	DHV Technology	Spain	—	on request
Solar Array Drive Assembly (SADA)	MMA Design	—	Actuation range: +/-180 degrees	on request
Solar array drive assembly components	ISS Reshetnev	Russia	—	on request
Solar Array Drive Mechanism. Type 4	Glavkosmos	Russia	Output shaft rotation rate, deg/min: 0-16	on request
Solar Array Drive Mechanism. Type 6	Glavkosmos	Russia	Year of release: 2008	on request
Solar Array Mechanical Device	Glavkosmos	Russia	Year of release: 2007	on request
Solar Arrays	Blue Canyon Technologies	United States	3u solar array power: 27 – 34 W	on request
Solar arrays	Hemeria	France	Number of panels: 1-3 panels per array	on request
Solar Element GaInP2 / GaAs / Ge	Glavkosmos	Russia	Purpose: Utilization in battery design of solar power supply systems of spa...	on request
Solar Modules	Source Energy	United States	Specific power: up to 303 W/kg	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Solar Panel Clips Set (Set of 8 clips)	Pumpkin, Inc.	United States	Set size: 8 clips	\$590
Solar Panel for AntS antenna	Pumpkin, Inc.	United States	SKU: 710-00837	\$4 730
Solar Panel Substrate Manufacturing and Photovoltaic Assembly	GTM Advanced Structures	Netherlands	Substrate manufacturing capabilities: Lay-up skins	on request
Solar Panels	Ananth Technologies	India	Cell type: Triple-junction GaAs	on request
Solar Panels 1p Set (QTY 5)	Alba Orbital	United Kingdom	Set of: 5	on request
Solar Panels for CubeSats	DHV Technology	Spain	–	on request
Solar panels for CubeSats	DHV Technology	Spain	Pmp (1U): 2.4 W	on request
Solar Panels for Small Satellites	DHV Technology	Spain	–	on request
Solar Panels for Small Satellites	DHV Technology	Spain	Power Output: 100 W, 250 W, 500 W, 1000 W	on request
Solis & Solis+ Spacecraft Solar Arrays	Dhruva Space	India	Compatibility (Solis): 0.5U, 1U, 3U, 6U, 12U, 16U CubeSat platforms	on request
SP Body-Mounted Solar Panels	NPC Spacemind	–	Splx: 1U side, Mass 40 g, Peak Power 2.3-2.5 W, Voc 5.2-5.5 V	on request
SP1X	NPC Spacemind	–	Solar panel for: XY side	on request
SP1Z	NPC Spacemind	–	Solar panel for: Z side	on request
SP2X	NPC Spacemind	–	Mass: 87 g	on request
SP2Z	NPC Spacemind	–	Mass: 80 g	on request
SP3X	NPC Spacemind	–	Solar panel for: XY side	on request
SP4X	NPC Spacemind	–	Mass: 160 g	on request
SP4Z	NPC Spacemind	–	Mass: 180 g	on request
SP6X	NPC Spacemind	–	Mass: 335 g	on request
SP8X	NPC Spacemind	–	Solar panel for: XY side	on request
Space Solar Arrays	Spectrolab	United States	Integration: Fully integrated and tested – delivered assembly-ready	on request
Space Solar Panels	Spectrolab	United States	Integration: Multijunction solar circuits bonded to customer-furnished subs...	on request
Space Solar Solutions	SolAero Technologies (Rocket Lab)	United States	Solar cell efficiency: Up to 34%	on request
SpaceTech Deployable Solar Arrays	SpaceTech GmbH	Germany	Fill ratio: 85%	on request
SpaceTech SADA 44/22 (Solar Array Drive Assembly)	SpaceTech GmbH	Germany	Driving method: Current controlled, micro stepping	on request
SUPERNOVA™ Standard Solar Panels	Pumpkin, Inc.	United States	–	on request

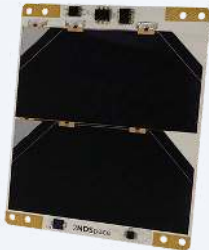
PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
SXC-SG-03 GaAs Solar Panels (Side / End)	SPUTNIX	Russia	Cell type: GaInP/GaAs/Ge triple-junction on Ge substrate	on request
Titan Bare Module	Ascent Solar Technologies	United States	Model: B-006-110-342	on request
TJ 3G30-Advanced Space Solar Cell (4x8)	AZUR SPACE	Germany	Part numbers: 81441 (bare cell) / 81442 (assembly)	on request
TJ 3G30-Advanced Space Solar Cell (6x12)	AZUR SPACE	Germany	Part numbers: 82943 (bare cell) / 82926 (assembly)	on request
TJ 3G30-Advanced Space Solar Cell (8x8)	AZUR SPACE	Germany	Part numbers: 81780 (bare cell) / 81752 (assembly)	on request
TJ 3G30-Advanced Space Solar Cell (HP)	AZUR SPACE	Germany	Part numbers: 82942 (bare cell) / 82924 (assembly)	on request
Triple-Junction GaAs Solar Array	Shenzhen MagicCubeSat Technology (MCS)	China	Cell type: Triple-junction GaAs	on request
XTE-HF Solar Cell	Spectrolab	United States	BOL efficiency: 32%	on request
XTE-LILT Solar Cell	Spectrolab	United States	BOL efficiency (1 AU): 32%	on request
XTE-LILT Triple-Junction Solar Cell	Spectrolab	United States	Type: Triple-junction solar cell	on request
XTE-SF Solar Cell	Spectrolab	United States	BOL efficiency: 32%	on request
XTE+ GEO Solar Cell	Spectrolab	United States	BOL efficiency: 33%	on request
XTE+ LEO Solar Cell	Spectrolab	United States	BOL efficiency: 33%	on request
XTJ Prime Solar Cell	Spectrolab	United States	BOL efficiency (average): 30.7%	on request

Products by manufacturer

2NDSpace Srl

ITALY · 2023 · 14 PRODUCTS

New Space company designing modular nanosatellite/CubeSat hardware: structures, solar panels, EPS, antennas, OBCs, and deployers/separation systems.

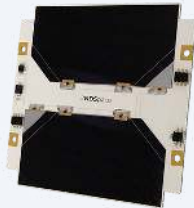


2NDSPACE SRL
CORE-01 1U Cubesat Solar panel

The CORE-01 is a 1U CubeSat solar panel designed for reliable power generation in space, featuring dual redundant protection and customizable integration options.

Peak Power	2.45 W
OC Voltage options	5.2 V
Suggested for	1U
Side	Lateral
Form Factor	1U Lateral XY

[price on request](#) [datasheet](#)



2NDSPACE SRL
CORE-01Z 1U Cubesat Top Solar panel

The CORE-01Z is a 1U CubeSat top solar panel from 2NDSpace Srl, offering 2.45 W peak power and proven reliability for small satellite missions.

Peak Power	2.45 W
OC Voltage options	5.2 V
Suggested for	1U
Side	Top/Bottom
Form Factor	1U Z

[price on request](#) [datasheet](#)



2NDSPACE SRL
CORE-02 2U Cubesat Solar panel

The CORE-02 is a 2U CubeSat solar panel designed for lateral mounting, offering 5W peak power and dual redundant protection.

Peak Power	5 W
OC Voltage options	5.2 V
Suggested for	2U
Side	Lateral
Form Factor	2U Lateral XY

[price on request](#) [datasheet](#)

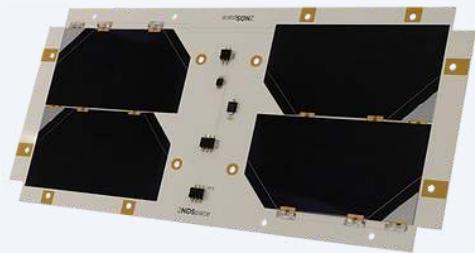


2NDSPACE SRL
CORE-03 3U Cubesat Solar panel

The CORE-03 is a 3U CubeSat solar panel from 2NDSpace Srl, offering reliable power generation with options for various open-circuit voltages and a robust design suitable for 3U and

Peak Power	8.54 W
OC Voltage options	5.2 / 7.8 / 16.4 V
Suggested for	3U / 6U
Side	Lateral
Form Factor	3U Lateral XY

[price on request](#) [datasheet](#)



2NDSpace SRL

CORE-06Z 6U/8U Cubesat Top Solar panel

The CORE-06Z is a top solar panel designed for 6U/8U CubeSats, offering 4.9 W peak power and dual redundant protection.

Peak Power	4.9 W
OC Voltage options	5.2/10.4 V
Suggested for	6U/8U
Side	Top/Bottom
Form Factor	2x1

[price on request](#) [datasheet](#)



2NDSpace SRL

CORE-08 4U/8U Cubesat Solar panel

The CORE-08 is a lateral solar panel designed for 4U/8U CubeSats, offering a peak power of 11W and multiple open-circuit voltage options.

Peak Power	11 W
OC Voltage options	5.2/7.8/10.4/ 23.4 V
Suggested for	4U/8U
Side	Lateral
Form Factor	1x4

[price on request](#) [datasheet](#)



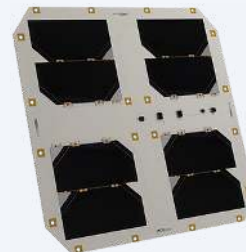
2NDSpace SRL

CORE-12 6U/12U Cubesat Solar panel

The CORE-12 is a solar panel designed for 6U/12U CubeSats, offering proven performance in space with redundant power lines and ECSS compliance.

Peak Power	19.6 W
OC Voltage options	10.4/20.8 V
Suggested for	6U/12U
Side	Lateral
Form Factor	2x3

[price on request](#) [datasheet](#)



2NDSpace SRL

CORE-12Z

The CORE-12Z is a 12U/16U CubeSat top solar panel, offering reliable power generation with a peak power of 9.76 W and multiple voltage options.

Peak Power	9.76 W
OC Voltage options	5.2/10.4/ 20.8 V
Suggested for	12U/16U
Side	Top/Bottom
Form Factor	4x4

[price on request](#) [datasheet](#)



2NDSpace SRL

CORE-16

The CORE-16 is an 8U/16U CubeSat solar panel designed for reliability and easy integration, offering multiple voltage options and customizable layouts.

Peak Power	24.4 W
OC Voltage options	10.4/13.0/ 26.0 V
Suggested for	8U/16U
Side	Lateral
Form Factor	2x4

[price on request](#) [datasheet](#)



2NDSpace SRL

DROP Deployable Solar Panels

2NDSpace's DROP deployable solar panels offer a modular design with dual, triple, or multi-wing configurations and the option for solar cells on both sides, maximizing surface area

Form factor range	1U to 16U
Configuration	Dual, triple, or multi-wing
Solar cells	Single-sided or double-sided option
Design	Modular

[price on request](#)



2NDSpace SRL

DROP-03 3U Deployable Solar panel

The DROP-03 is a deployable solar panel system designed for 3U and 6U CubeSats, offering a total power output of up to 22.5W with options for backstring and body-mounted cells.

Deployable elements	1
Deployment configuration	135°/90°
Front side power	7.5 W
Backstring option	+7.5 W
Body mounted option	+7.5 W

[price on request](#) [datasheet](#)



2NDSpace SRL

DROP-08 8U/4U Deployable Solar panel

The DROP-08 is a deployable solar panel system designed for 8U/4U CubeSats, offering up to 30W of power with options for backstring and body-mounted configurations.

Deployable elements	1
Deployment configuration	135°/90°
Front side power	10 W
Backstring option	+10 W
Body mounted option	+10 W

[price on request](#) [datasheet](#)



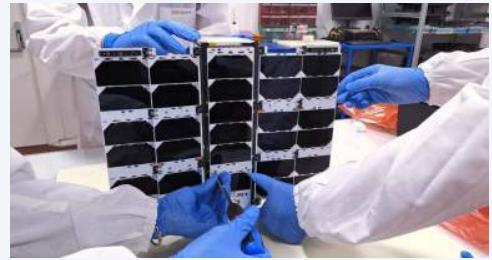
2NDSpace SRL

DROP-12 12U Deployable Solar panel

The DROP-12 is a 12U deployable solar panel system designed for CubeSats, offering up to 60W of peak power with options for backstring and body-mounted configurations.

Deployable elements	1
Deployment configuration	135°/90°
Front side power	20 W
Backstring option	+20 W
Body mounted option	+20 W

[price on request](#) [datasheet](#)



2NDSpace SRL

DROP-16 8U/16U Deployable Solar panel

The DROP-16 is a deployable solar panel system designed for 8U/16U CubeSats, offering customizable power configurations and a dual redundant deployment system.

Suggested for	8U/16U
Deployment System	Dual redundant
Deployment Configuration	135°/90°
OC Voltage	24.3 V
N° of deployable Elements	1

[price on request](#) [datasheet](#)

Alba Orbital

UNITED KINGDOM · 2012 · 1 PRODUCT

Alba Orbital manufactures PocketQube satellites, provides launch and ground station services, and operates a fleet of nighttime imaging satellites for government and commercial clients.



ALBA ORBITAL

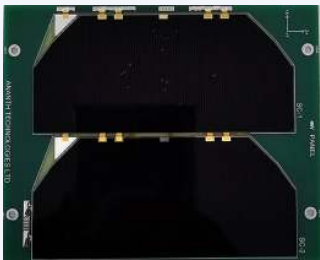
Solar Panels 1p Set (QTY 5)

A set of five solar panels designed for PocketQubes, featuring high-efficiency Spectrolab TASC cells and custom mounting holes.

Set of	5
Available for	1p/2p/3p PocketQubes
Cells	Spectrolab high efficiency TASC
PCB	Low thickness polyimide substrate
Solar module fabricated under	ECSS-Q-ST-70-08 and ECSS-E-ST-20-08 requirements

[price on request](#) [datasheet](#)

Ananth Technologies is a Hyderabad-based aerospace and defence company that partners with ISRO and DRDO on satellite assembly, integration and testing, launch vehicle electronics, and RF/microwave systems.



ANANTH TECHNOLOGIES

Solar Panels

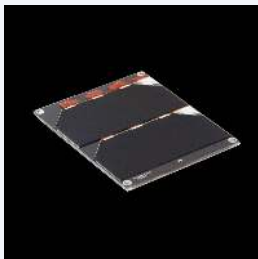
Ananth Technologies designs and manufactures high-performance solar panels for satellites ranging from CubeSats to advanced microsattellites, combining flight-proven materials, prec

Cell type	Triple-junction GaAs
Efficiency	Up to 31%
Operating temperature	-60°C to +110°C
Radiation tolerance	1E15 e/cm²
Mission life	15+ years

price on request

Aphelion Orbitals

Aphelion Orbitals is a New Jersey-based launch vehicle company developing the Helios nanosatellite launch system for regular, scheduled orbital access at low cost.



APHELION ORBITALS

1U Solar Panel

The Aphelion Cubesat solar panels utilize flight-proven, high efficiency 30.5% triple junction solar cells and a reliable bonding technique.

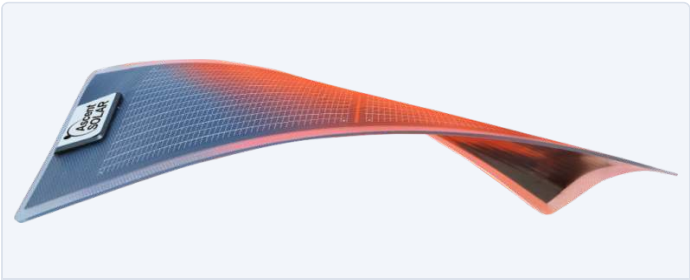
Cell efficiency	30.5% triple junction
Output power	up to 150 W
Output voltage	up to 22 V
Lifetime	minimum 2 years in LEO
Data connector	8-pin Hirose 1.25 mm

price on request

[datasheet](#)

Ascent Solar Technologies

US manufacturer of ultra-thin, lightweight CIGS thin-film flexible solar panels for spacecraft, UAVs, and extreme-environment applications, with on-orbit heritage.



ASCENT SOLAR TECHNOLOGIES

CubeSat HDK Solar Array

The CubeSat Hardware Developer Kit packages Ascent Solar's flexible CIGS thin-film technology into body-mountable and folding solar arrays for 0.5U–6U CubeSat form factors, optimiz

Form factors	0.5U, 1U, 3U, 6U
Array configurations	Body-mountable and folding deployable
Supply voltage	28 V
Technology	CIGS thin-film (Titan modules)
Specific power	>2000 W/kg (bare modules)

price on request



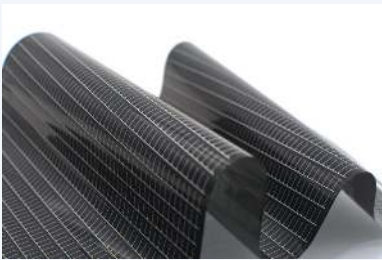
ASCENT SOLAR TECHNOLOGIES

Smallsat HDK Solar Array

The Smallsat HDK delivers 28 V ESPA and ESPA Grande optimized flatpack folding solar arrays for small satellite missions, maximizing on-orbit power generation with Ascent's ultra-l

Platform compatibility	ESPA and ESPA Grande
Array configuration	Flatpack folding deployable
Supply voltage	28 V
Technology	CIGS thin-film (Titan modules)
Specific power	>2000 W/kg (bare modules)

price on request



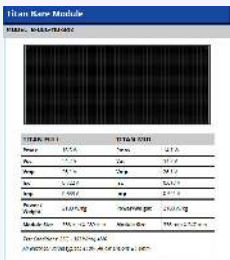
ASCENT SOLAR TECHNOLOGIES

EP-500V HDK Solar Array

The EP-500V HDK provides 500 V electric propulsion-optimized solar arrays in ESPA and ESPA Grande flatpack form factors, enabling direct high-voltage power delivery to Hall-effect

Output voltage	500 V
Platform compatibility	ESPA and ESPA Grande
Array configuration	Flatpack folding deployable
Technology	CIGS thin-film (Titan modules)
Specific power	>2000 W/kg (bare modules)

price on request



ASCENT SOLAR TECHNOLOGIES

Titan Bare Module

Ascent Solar's Titan is a monolithically integrated, flexible CIGS thin-film PV module optimized for space applications, achieving up to 2100 W/kg specific power at AM0.

Model	B-006-110-342
Technology	CIGS thin-film on flexible polyimide substrate
Titan full – pmax	16.5 W
Titan full – voc	34.2 V
Titan full – vmp	26.1 V

price on request

US small satellite manufacturer developing modular high-power solar array platforms for commercial and government GEO and MEO missions.



ASTRADYNE

Advanced Solar Power Systems

Astradyne develops advanced, lightweight, and high-performance solar power systems for space and terrestrial applications, including solar arrays for next-generation space missions

Solar cell type	4-junction InGaP/GaAs/InGaAs
Efficiency	> 33%
Power output	10 – 25 kW
Configuration	Dual-wing deployable boom
Radiation tolerance	18-year GEO

price on request

Indian multi-sector technology company; Earth observation satellite development alongside electronics, composites, and agri-health services; satellite EO for food, agriculture, and healthcare.

AZISTA INDUSTRIES

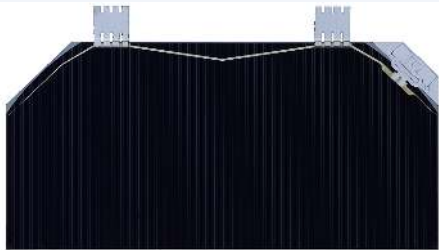
Satellite Solar Panels and Power Systems

Azista Industries' indigenously developed satellite solar panels, solar arrays, and space power systems for Indian government and commercial satellite programs.

Product	Multi-junction GaAs solar panels and arrays for satellites
Efficiency	~28–30% (triple-junction GaAs)
Other products	Satellite structures, antennas, UAV platforms
Customers	ISRO programs, Indian commercial satellite operators
Location	Hyderabad, India (clean-room manufacturing)

price on request

AZUR SPACE designs and manufactures multi-junction solar cells and Coverglass Interconnected Cell assemblies for space and terrestrial applications.



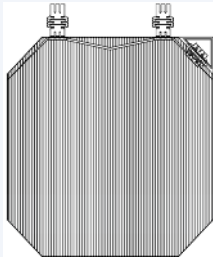
AZUR SPACE

QJ 4G32-Advanced Space Solar Cell (4x8)

32% class quadruple-junction AlInGaP/AlInGaAs/InGaAs/Ge cell of 30.60 cm2 with 31.3% BOL efficiency and 3.3 g mass.

Part numbers	82921 (bare cell) / 82922 (assembly)
Base material	AlInGaP/AlInGaAs/InGaAs/Ge on Ge
Outer dimensions	40.08 x 80.08 mm (bare cell) / 40.26 x 80.26 mm (assembly)
Cell area	30.60 cm2 (glassed area 31.34 cm2)
Average weight	3.3 g bare cell (<= 109 mg/cm2) / 4.2 g assembly (<= 139 mg/cm2)

[price on request](#) [datasheet](#)



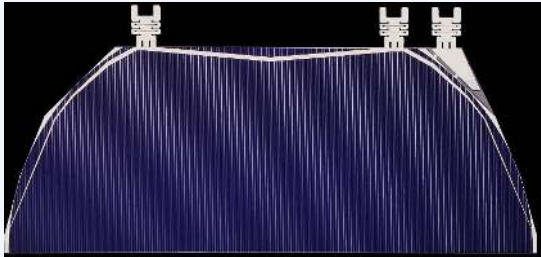
AZUR SPACE

QJ 4G32-Advanced Space Solar Cell (8x8)

32% class quadruple-junction cell of 60.35 cm2 with 31.1% BOL efficiency, 3415 mV open-circuit voltage and 6.5 g mass.

Part numbers	82883 (bare cell) / 82884 (assembly)
Base material	AlInGaP/AlInGaAs/InGaAs/Ge on Ge
Outer dimensions	80.00 x 80.00 mm (bare cell) / 80.15 x 80.15 mm (assembly)
Cell area	60.35 cm2 (glassed area 61.46 cm2)
Average weight	6.5 g bare cell (<= 107 mg/cm2) / 8.5 g assembly (<= 140 mg/cm2)

[price on request](#) [datasheet](#)



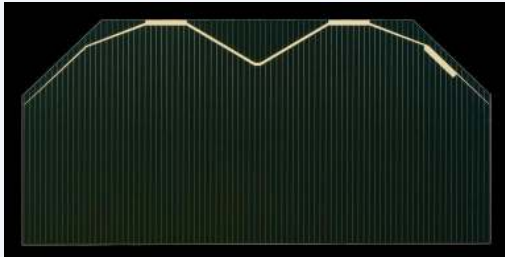
AZUR SPACE

QJ 4G32-Advanced Space Solar Cell (HP)

Large-format 32% class quadruple-junction cell of 77.44 cm2 in a 148 x 60.6 mm format, 30.8% BOL efficiency.

Part numbers	82902 (bare cell) / 82903 (assembly)
Base material	AlInGaP/AlInGaAs/InGaAs/Ge
Outer dimensions	148.06 x 60.56 mm (bare cell) / 148.26 x 60.76 mm (assembly)
Cell total area	77.44 cm2 (glassed area 78.62 cm2)
Average weight	10.4 g bare cell (<= 134 mg/cm2) / 13.6 g assembly (<= 175 mg/cm2)

[price on request](#) [datasheet](#)



AZUR SPACE

TJ 3G30-Advanced Space Solar Cell (4x8)

30% class triple-junction InGaP/GaAs/Ge bare cell and CIC assembly, 30.18 cm2, 29.5% BOL efficiency, 2.6 g bare cell.

Part numbers	81441 (bare cell) / 81442 (assembly)
Base material	InGaP/GaAs/Ge on Ge
Ar coating	TiO2/Al2O3
Outer dimensions	40.00 x 80.00 mm (bare cell) / 40.15 x 80.15 mm (assembly)
Cell area	30.18 cm2 (glassed area 31.13 cm2)

[price on request](#) [datasheet](#)



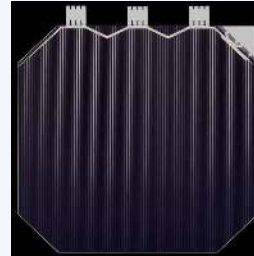
AZUR SPACE

TJ 3G30-Advanced Space Solar Cell (6x12)

30% class triple-junction bare cell and CIC assembly of 71.25 cm², 150 um thick, 6.1 g bare cell.

Part numbers	82943 (bare cell) / 82926 (assembly)
Base material	InGaP/GaAs/Ge on Ge
Ar coating	TiO ₂ /Al ₂ O ₃
Outer dimensions	60.5 x 124.3 mm (bare cell) / 60.7 x 124.5 mm (assembly)
Cell area	71.25 cm ² (glassed area 72.65 cm ²)

[price on request](#) [datasheet](#)



AZUR SPACE

TJ 3G30-Advanced Space Solar Cell (8x8)

30% class triple-junction bare cell and CIC assembly of 60.35 cm² with 29.3% BOL efficiency and 5.2 g bare cell mass.

Part numbers	81780 (bare cell) / 81752 (assembly)
Base material	InGaP/GaAs/Ge on Ge
Outer dimensions	80.00 x 80.00 mm (bare cell) / 80.15 x 80.15 mm (assembly)
Cell area	60.35 cm ² (glassed area 61.46 cm ²)
Average weight	5.2 g bare cell (<= 86 mg/cm ²) / 7.1 g assembly (<= 118 mg/cm ²)

[price on request](#) [datasheet](#)



AZUR SPACE

TJ 3G30-Advanced Space Solar Cell (HP)

High-power 30% class triple-junction cell of 77.55 cm² in a 145.9 x 60.7 mm format, 10.4 g bare cell.

Part numbers	82942 (bare cell) / 82924 (assembly)
Base material	InGaP/GaAs/Ge on Ge
Outer dimensions	145.90 x 60.69 mm (bare cell) / 146.10 x 60.89 mm (assembly)
Cell area	77.55 cm ² (glassed area 78.64 cm ²)
Average weight	10.4 g bare cell (<= 134 mg/cm ²) / 13.1 g assembly (<= 170 mg/cm ²)

[price on request](#) [datasheet](#)

Beyond Reach Labs

UNITED STATES · 1 PRODUCT

Developer of deployable solar arrays delivering scalable power for orbital data centers, space stations, and lunar operations.

BEYOND REACH LABS

Deployable Solar Array

High-power deployable solar array for orbital data centers, space stations, and lunar operations.

Type	Deployable solar array
Key feature	Orders-of-magnitude more power per launch vs. traditional deployable arrays
Structural innovation	Maintains structural stiffness to prevent bending-mode vibration interference at large sca
Target applications	Orbital data centers, space stations, lunar surface operations

price on request

Blue Canyon Technologies

UNITED STATES · 2008 · 2 PRODUCTS

Leading provider of small satellite buses, systems, and components for commercial, civil, and government space missions, a Raytheon (RTX) business.

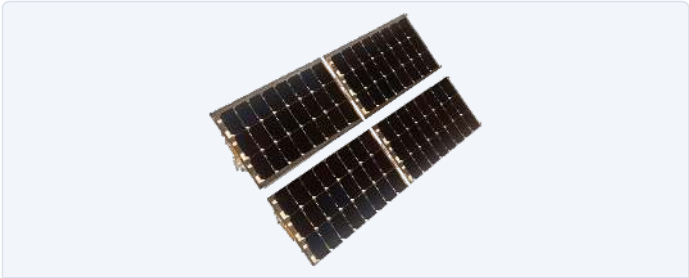


BLUE CANYON TECHNOLOGIES
Solar Array Drive Assemblies

Blue Canyon Technologies' high-performance, lightweight, and modular SADA design maximizes payload operation time through a rotary interface between a spacecraft and its solar pane

SADA-3 Mass	1.5 kg
SADA-3 Volume	12.5 cm x 11.1 diameter
SADA-3 Rated Torque	10 Nm
SADA-3HP Mass	1.66 kg
SADA-3HP Volume	15.0 cm x 11.1 diameter

price on request [datasheet](#)



BLUE CANYON TECHNOLOGIES
Solar Arrays

Blue Canyon Technologies offers flight-proven, high-efficiency solar arrays for various satellite platforms, providing reliable power for onboard systems.

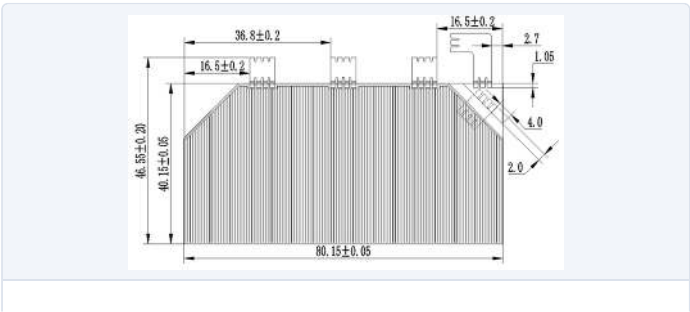
3u solar array power	27 – 34 W
3u array voltage, vmp	14.9 VDC
6u/12u solar array power	48 – 118 W
6u/12u array voltage, vmp	17 or 34.1 VDC
Espa-class microsatellite solar array power	222 – 444 W

price on request [datasheet](#)

CAVU Aerospace

UNITED KINGDOM · 2016 · 1 PRODUCT

CAVU Aerospace designs and manufactures spacecraft avionics, including radiation-tolerant onboard computers, thermal control units, frame grabbers, and flight-proven satellite cameras for space applications.



CAVU AEROSPACE

32% Efficiency Triple Junction GaAs Solar Cell

A premium, high-efficiency triple-junction GaAs solar cell designed for space missions, offering 32% efficiency at BOL and robust radiation tolerance for LEO and deep space applica

Efficiency at BOL	32%
Open circuit voltage (Voc)	2.666 V
Maximum power (Pmax)	1.331 W
Efficiency (AM0 spectrum, 25°C)	32.63%
Radiation tolerance	Maintains efficiency after exposure to high radiation levels

price on request [datasheet](#)

Comat

FRANCE · 1963 · 2 PRODUCTS

Comat is a French aerospace equipment manufacturer, part of the Hemeria group, designing flight hardware and mechanisms for small satellites, telecommunications/observation payloads, and space exploration missions.

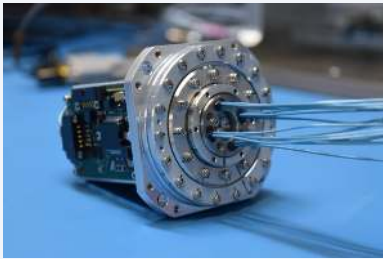


COMAT
SADM

Comat's Solar Array Drive Mechanisms (SADM) ensure precise and continuous solar array orientation toward the Sun, maximizing spacecraft power generation throughout the mission.

SADM-CP Power Transfer	Up to 400 W per wing
SADM-CP Maximum Torque	0.35 Nm
SADM-CP Operational lifetime	Minimum 5 years in LEO
SADM-HP Power Transfer	Up to 4000 W per wing
SADM-HP Maximum Torque	0.35 Nm

price on request



COMAT
SADM-200

The SADM-200 is a compact Solar Array Drive Mechanism (SADM) developed by COMAT for small satellites, capable of handling up to 200W per solar array wing with integrated slip rings

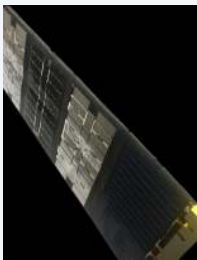
Power (qualified)	200 W at 28 V
Power (transfer capability)	400 W at 50 V
Torque	350 mNm
Pointing accuracy	3°
Communication interface	RS 485

price on request [datasheet](#)

CTD (Composite Technology Development)

UNITED STATES · 1988 · 1 PRODUCT

CTD develops state-of-the-art composites for extreme conditions and demanding applications in aerospace, high performance magnets, cryogenic systems, marine, automotive, and industrial sectors.



CTD (COMPOSITE TECHNOLOGY DEVELOPMENT)
CLASP Composite Lightweight Array with Shape-memory Polymer

Deployable composite solar array with shape-memory polymer hinges: over 250 W/kg specific power and 110 kW/m3 packaging efficiency, CubeSat dispenser compatible.

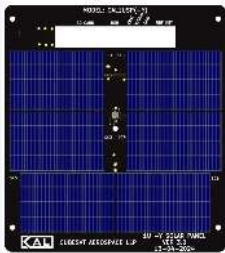
Specific power	Exceeds 250 W/kg
Packaging efficiency	110 kW/m3
Deployment	Shape-memory polymer based composite architecture
Dispenser compatibility	CubeSat dispenser compatible
Pv cells	Accommodates all PV cells; fit for purpose and mission budget

[price on request](#) [datasheet](#)

CubeSat Aerospace

INDIA · 1 PRODUCT

Indian CubeSat developer offering flight-ready 1U–6U satellite structures, subsystem components, environmental testing services, launch integration, and STEM education programs from Ahmedabad.



CUBESAT AEROSPACE
1U Solar Panels

The 1U Solar Panels from CubeSat Aerospace are high-efficiency power generation modules designed for small satellites, integrating solar cells, magnetic torquers, and sun sensors i

Panel type	Custom PCB-based solar panel
Solar cells	Mono-crystalline high-efficiency cells
Output voltage	11.5 V (regulated via avionics board)
Power output	Up to 1 W per panel (depending on illumination)
Mounting faces	X+, X-, Y+, Y-, Z+, Z- (6 panels for full 1U coverage)

[price on request](#)

German manufacturer of space deployables using patented Shape Memory and Origami technologies — release actuators, solar arrays, and antenna deployables for CubeSats and microsatellites.



DCUBED
Body-Mounted Solar Array

Fixed body-mounted solar panels for CubeSats and smallsats, with triple-junction GaAs cells pre-integrated onto structural panels for immediate spacecraft integration.

Power up to 400 W

price on request

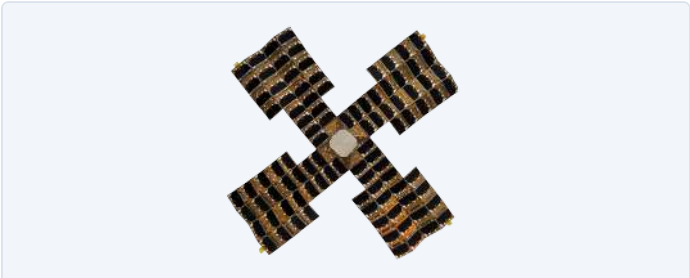


DCUBED
Flexible Blanket Solar Array

Dcubed's Flexible Blanket Solar Array is a compact, lightweight, and durable solar array designed for spacecraft, offering high power generation for a given mass and volume.

EOL power up to 2 kW

price on request



DCUBED
Origami Solar Array

The Dcubed PowerCube is a deployable 100W Origami Solar Array stowed within a 1U form factor, enabling high-power space missions with minimal stowed volume.

Short delivery time 12 months

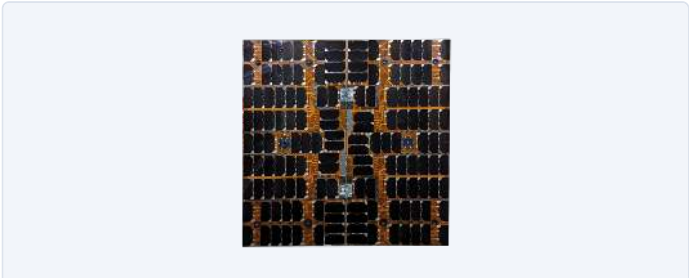
EOL power 100 W (5 years lifetime)

Stowed volume 100x100x100 mm (1U)

Deployed volume 110x110x190 mm

Mass 1.2 Kg

price on request



DCUBED
Rigid-Deployable Solar Array

Dcubed's rigid-deployable solar array offers a modular, compact, and lightweight solution for maximizing power generation in space applications.

price on request

Deployable Space Systems (DSS), now part of Redwire, develops and produces the ROSA (Roll-Out Solar Array) — the deployable solar wing powering ISS upgrades, DART, and the Gateway PPE.



DEPLOYABLE SPACE SYSTEMS (DSS) — NOW REDWIRE
ELSA

ELSA (Extensible Low-Profile Solar Array) is an innovative power solution designed to minimize solar array stowed volume and mass, offering 50% more power by volume than traditional

Payload size (STOWED)	Configurable per mission requirements
Power (BOL)	500 W to 5 kW
Solar cell technology	Cell Agnostic: ELSA can support III-V and Silicon technologies
Stowed first mode	>40 Hz standard
Deployed first mode	>.25 Hz standard

price on request



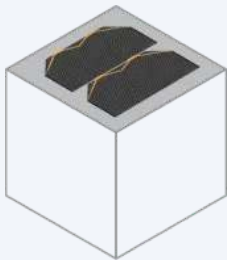
DEPLOYABLE SPACE SYSTEMS (DSS) — NOW REDWIRE
ROSA Roll-Out Solar Array (Redwire / DSS)

Blanket-type roll-stow solar array from Redwire (DSS heritage) — flight proven on ISS iROSA (boosted power by 30%), DART, and in development for Lunar Gateway PPE.

Array type	Roll-stowable blanket photovoltaic
Flight heritage	ISS iROSA (6 wings), DART mission
Iss power increase	~30% (160 kW → ~215 kW total station power)
In development	Lunar Gateway Power & Propulsion Element (PPE), 2 wings
Stow configuration	Compact cylindrical cannister

price on request

Dhruva Space is an Indian space technology company founded in 2012, providing satellites, Earth stations, and launch services as integrated or individual solutions.



DHRUVA SPACE
Solis & Solis+ Spacecraft Solar Arrays

Solis and Solis+ are Spacecraft Solar Arrays developed by Dhruva Space, optimised for reliability in Space, supporting satellites and spacecraft of various sizes with power capacity

Compatibility (Solis)	0.5U, 1U, 3U, 6U, 12U, 16U CubeSat platforms
Power (Solis 1U)	2.4 W
Power (Solis 3U)	8.4 W
Power (Solis 6U)	4.8 W

Power (Solis 12U)

16.8 W

[price on request](#) [datasheet](#)

DHV Technology

SPAIN · 2013 · 7 PRODUCTS

DHV Technology is a Spanish space technology company designing and manufacturing solar panels, electrical power systems, MLI blankets, and solar array drive assemblies for CubeSats and small satellites. Based in Málaga since 2013.

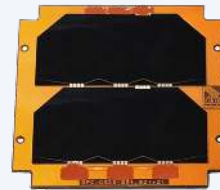


DHV TECHNOLOGY

COTS Solar Arrays for Satellites

DHV Technology offers commercial off-the-shelf solar array solutions for satellites, providing ready-to-market qualified products to reduce engineering costs and project timelines.

[price on request](#)



DHV TECHNOLOGY

CubeSat Solar panel DHV-CS-10

Solar panels have been tested in qualified laboratories for space applications, as well as solar cells are fully qualified. Different mechanical and electrical designs can be...

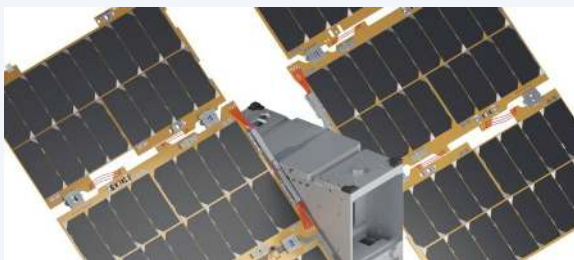
Manufacturer

DHV Technology

Lead time

4 – 5 weeks

€1 450



DHV TECHNOLOGY

Solar Array Drive Assembly (SADA)

The Solar Array Drive Assembly (SADA) is a mechanism for rotating solar arrays on CubeSats and SmallSats to maintain optimal sun orientation and transfer power to the satellite bus

[price on request](#)



DHV TECHNOLOGY

Solar Panels for CubeSats

Body-mounted solar panels for 1U, 2U, 3U, 6U, 12U, and 16U CubeSats with high-efficiency triple-junction solar cells and qualified for LEO missions.

[price on request](#)



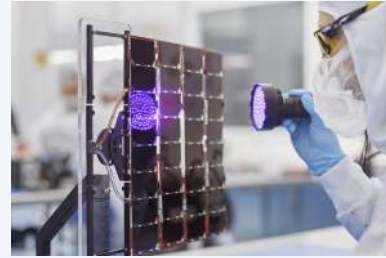
DHV TECHNOLOGY

Solar panels for CubeSats

Standard and custom solar array solutions for CubeSat platforms ranging from 1U to 16U, with deployables and custom cut-out areas available.

Pmp (1U)	2.4 W
Vmp (1U)	4.8 V
Imp (1U)	0.5 A
Mass (1U)	< 50 g
Pmp (2U)	4.8 W

price on request

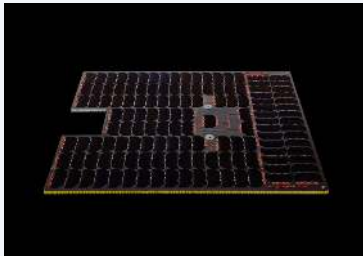


DHV TECHNOLOGY

Solar Panels for Small Satellites

Custom deployable solar array panels for small satellites above 12U, up to 100 kg class, with triple-junction cells and structural integration support.

price on request



DHV TECHNOLOGY

Solar Panels for Small Satellites

Deployable and body mounted tailor-made solar array solutions for small satellites, manufactured on PCBs or honeycomb aluminium substrates covered with carbon fiber reinforced poly

Power Output	100 W, 250 W, 500 W, 1000 W
Solar Cell Efficiency	up to 30%
TRL	9

price on request

Emxys

SPAIN · 2007 · 1 PRODUCT

Emxys is a Spanish space electronics company specialising in advanced onboard computers, power systems, optical transceivers, and complete nanosatellite platforms for data-intensive space missions.



EMXYS

ODALISS Solar Panels

The ODALISS Solar Panels are highly efficient 3U/6U CubeSat compatible solar panels equipped with the latest triple junction technology and integrated temperature and sun sensors.

Cell efficiency	higher than 29%
Sensors	Integrated active linear temperature transducer.
Sensors (2)	High sensitivity Silicon photodiode included.
Connectors	Three 4-pin solar array power output for flexible panels interconnection.
Connectors (2)	One 4-pin for temperature sensor.

price on request

datasheet

EnduroSat

BULGARIA · 2015 · 6 PRODUCTS

Software-flexible CubeSat platforms (1U–16U+), shared-satellite hosted-payload service.



ENDUROSAT
3U Deployable Solar Array

Deployable solar panels for CubeSats, offering high power output and radiation resistance with 29+% efficiency at End-of-Life.

Power efficiency at BOL	30+%
Power efficiency at EOL	29+%
Number of cells	14 (Single Deployable) or 21 (Double Deployable)
Max power in LEO	16.8 W (Single Deployable) or 25.2 W (Double Deployable)
Reverse bias protection	Internal bypass diode

price on request



ENDUROSAT
3U Solar Panel

Body-mounted 3U solar panel with space-grade triple junction cells delivering over 30% efficiency. Generates up to 8.4 W in LEO while maintaining performance throughout the satelli

Power efficiency (BOL)	30+
Solar cells	7
Max power in LEO	8.4 W
Max voltage	17.5 V
Max current	512 mA

price on request



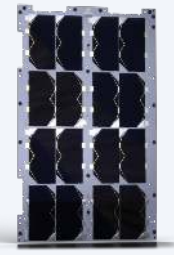
ENDUROSAT

6U Deployable Solar Array

A deployable solar panel array for 6U CubeSats that unfolds after launch to increase illuminated solar cell area and boost power generation beyond what body-mounted panels can prov

Power efficiency @ EOL 29+%

price on request



ENDUROSAT

6U Solar Panel

The 6U CubeSat Solar Panel provides high power output and radiation resistance with over 29% efficiency at End-of-Life (EOL) for CubeSats.

Power efficiency at BOL 30+%

Power efficiency at EOL 29+%

Number of cells 16

Max power in LEO 19.2 W

Reverse bias protection Internal bypass diode

price on request



ENDUROSAT

8U Deployable Solar Array

Deployable solar panels for CubeSats, offering high power output and radiation resistance with over 29% efficiency at End-of-Life.

Power efficiency at BOL 30+%

Power efficiency at EOL 29+%

Number of cells 40

Max power in LEO 48 W

Reverse bias protection Internal bypass diode

price on request



ENDUROSAT

8U SOLAR PANEL

The EnduroSat 8U Solar Panel provides high power output and radiation resistance for CubeSats, featuring efficient solar cells and configurability.

Power efficiency at BOL 30+%

Power efficiency at EOL 29+%

Number of cells 20

Max power in LEO 24 W

Reverse bias protection Internal bypass diode

price on request

EXA (Ecuadorian Space Agency)

ECUADOR · 2007 · 1 PRODUCT

Ecuadorian civilian space agency and manufacturer of high-energy-density batteries, deployable solar arrays and CubeSat platforms.



EXA (ECUADORIAN SPACE AGENCY)

EXA DMSA - Deployable Multifunction Solar Array

The EXA D MSA: Deployable Multifunction Solar Array with embedded antennas, magnetorquers and sensors is the upgraded version of the latest DSA 1/A, it is our entry-level product...

Manufacturer EXA

price on request

Flexell

UNITED STATES · 2023 · 2 PRODUCTS

Space technology startup developing flexible electronics and energy solutions for satellite and space applications.

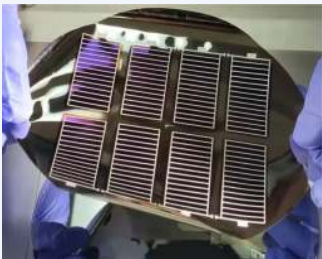
FLEXELL

Flexible High-Efficiency Space Solar Arrays

Flexell's rollable and foldable ultra-high-power-density solar arrays using flexible thin-film photovoltaics for compact satellite power generation.

Technology	Flexible thin-film photovoltaics (CIGS or OPV) on polymer substrates
Deployment	Roll-out or fold-out (very compact stowed volume)
Specific power	4–8× higher W/kg than rigid silicon panels
Efficiency	18–25% (thin-film multi-junction)
Applications	Smallsat power, HAPS aircraft, CubeSat arrays

price on request



FLEXELL

Nano-Thin Flexible Solar Module

Ultra-light, ultra-flexible wafer-less solar cells using ~1% of the silicon and 99% less energy than conventional production — ~95% lower carbon footprint.

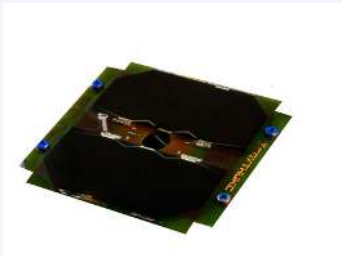
Silicon use	~1% of conventional
Energy use	~99% less than conventional
Carbon footprint	~95% less than conventional

price on request

Glavkosmos

RUSSIA · 1985 · 9 PRODUCTS

Glavkosmos coordinates international human spaceflight projects, facilitates satellite launches, develops and supplies rocket components, and provides equipment for space crews.



GLAVKOSMOS

GaAs Solar Panel with Coils (end edge)

A GaAs solar panel designed for CubeSats, featuring built-in electromagnetic coils for stabilization and a super-diode protection circuit.

Year of release	2017
Design life	1 years
Lead time	5 months
Flight qualification of the product	Yes
Brief history of flight qualification	In the composition of the satellites SiriusSat-1.2 (launched on 15.08.18.)



GLAVKOSMOS

GaAs Solar Panel with Coils (side)

Flight-proven GaAs side solar panel for CubeSats with built-in electromagnetic coil for attitude stabilization, 28% efficiency.

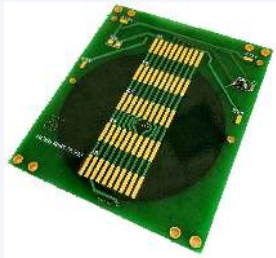
Purpose	Electrical power source for CubeSat satellites with built-in electromagnetic coil for atti
Year of release	2017
Design life	1 year
Lead time	5 months

price on request

Flight heritage

SiriusSat-1/2, launched 15
August 2018

price on request



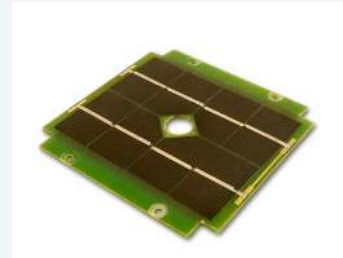
GLAVKOSMOS

Nanosatellite Solar Panel

The Nanosatellite Solar Panel is a solar cell board designed to generate electrical power for nanosatellites by converting light energy.

Purpose	Solar cell board designed to provide power for nanosatellite by converting light energy in
Year of release	2016
Design life	1 year
Lead time	6 months
Flight qualification of the product	No

price on request



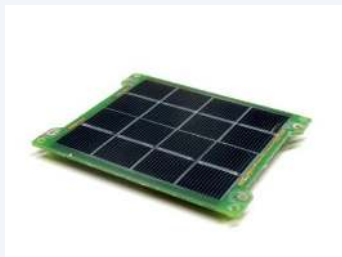
GLAVKOSMOS

Si Solar panel with Coils (end edge)

A silicon solar panel for satellites, featuring built-in electromagnetic coils for stabilization and a robust mechanical design. It provides electrical power and can assist with sp

Year of release	2017
Design life	1 years
Lead time	2 months
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Si Solar Panel with Coils (side)

A side-mounted silicon solar panel for CubeSats that serves as the electrical power source and includes a built-in electromagnetic coil usable for orientation and stabilization.

Year of release	2017
Design life	1 years
Lead time	2 months
Flight qualification of the product	Yes
Brief history of flight qualification	In the composition of the satellites SiriusSat-1.2 (launched on 15.08.18.)

price on request



GLAVKOSMOS

Solar Array Drive Mechanism. Type 4

An electromechanical solar array drive mechanism that continuously rotates satellite solar array wings at a controlled rate while transmitting electrical power and telemetry/control

Output shaft rotation rate, deg/min	0-16
Angle measurement error, not exceeding	2.5 °
Total current of power current-collecting devices	90 A
Number of power supply circuits, units	18
Overall dimensions	156 × 260 × 223 mm

price on request



GLAVKOSMOS

Solar Array Drive Mechanism. Type 6

The Type 6 Solar Array Drive Mechanism (SADM) is an electromechanical device designed for continuous rotation of solar array wings, electrical power transmission, and output shaft

Year of release	2008
Design life	10 years
Lead time	12 months
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes

price on request



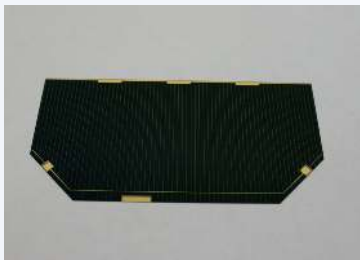
GLAVKOSMOS

Solar Array Mechanical Device

A deployable solar array mechanical device providing power supply to spacecraft systems, capable of generating up to 25 kW of power.

Year of release	2007
Design life	15 years
Lead time	18 months
Brief history of flight qualification	Amos-5, Yamal-300K, Express-AT1, Express-AT2, Express-AM8, KazSat-3, Loutch-5V, Express-AM
Solar array wing area	10 to 44 m2

price on request



GLAVKOSMOS

Solar Element GaInP2 / GaAs / Ge

This is a triple-junction solar cell (GaInP2 / GaAs / Ge) designed for spacecraft solar power systems, converting solar energy into electrical power.

Purpose	Utilization in battery design of solar power supply systems of spacecraft to convert solar
Year of release	2007
Lead time	1 months
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes

price on request

GomSpace is a Danish CubeSat manufacturer producing satellite platforms, subsystems, and end-to-end mission solutions. Products include the NanoCom radio modules, NanoPower EPS, and complete 1U–12U satellite platforms. GomSpace has one of t



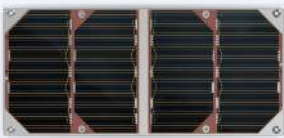
GOMSPACE

NanoPower DSP

The Deployable Solar Panel System (DSP) is designed for 3U or 6U satellites, featuring three panels connected with spring-loaded hinges that deploy once in space.

Operational Temperature Range	-60°C to +80°C
Solar Panel Efficiency	30%
Power Output per Cell (LEO)	Up to 1.15 W
Effective Area per Solar Cell	30 cm²
Cell Base Material	GaInP/GaAs/Ge on Ge substrate

price on request [datasheet](#)



GOMSPACE

NanoPower MSP

The NanoPower MSP (Modular Solar Panel System) is a versatile and reliable solar panel system designed for GomSpace satellites and compatible with various CubeSat structures.

Operational Temperature Range	-55°C to 150°C
Internal Temperature Sensor Range	-40°C to +85°C
External Temperature Sensor Range	-55°C to +175°C
Solar Cell Variants	AzurSpace 3G30A and CESI CTJ-LC
Solar Cell Effective Area	30 cm²

price on request [datasheet](#)



GOMSPACE

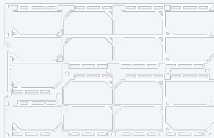
NanoPower TSP-45W

The NanoPower TSP-45W enhances satellite platform’s power efficiency through a deployable solar array equipped with sun tracking, seamlessly integrating with platforms as compact a

Cells per panel	15
Configuration	7S + 8S
Power production per cell	~1 W at 1367 W/m2 (B0L)
Total power production per array	~45 W
Communication	I2C protocol

price on request [datasheet](#)

GTM Advanced Structures is an AS9100-certified Dutch manufacturer of flight-ready solar panels for spacecraft and satellite missions, with over 80 SmallSat and 200 CubeSat solar panels deployed on orbit.



GTM ADVANCED STRUCTURES

Solar Panel Substrate Manufacturing and Photovoltaic Assembly

GTM-AS offers comprehensive in-house manufacturing services for satellite solar panels, covering substrate production, photovoltaic assembly, and final testing.

Substrate manufacturing capabilities	Lay-up skins
Substrate manufacturing capabilities (2)	Bonded assembly
Substrate manufacturing capabilities (3)	Autoclave cure
Substrate manufacturing capabilities (4)	Machining
Substrate manufacturing capabilities (5)	Integration inserts and brackets

price on request

HEMERIA designs, produces, and supplies space systems, vehicles, and defense equipment for commercial, institutional, and scientific customers.



HEMERIA

Solar arrays

HEMERIA designs and builds solar arrays for all types of spacecraft, nano or micro satellites, rovers and transfer vehicles, offering a reliable and proven solution with controlled

Number of panels	1-3 panels per array
Range	From 30 W to 1 KW
Cells	Azurspace AZUR 3G30A / Spectrolab XTE CIC
Lifetime	From 5 to 8 years in orbit

[price on request](#)[datasheet](#)

Hongqing Technology (鸿擎科技)

CHINA · 2021 · 1 PRODUCT

Beijing satellite constellation company partnered with Blue Arrow Aerospace; develops communications, remote sensing, and science satellites plus in-house Jinwu propulsion, Chiyu power, and Baize electronics subsystems.



HONGQING TECHNOLOGY (鸿擎科技)

Chiyu Solar Energy System

The Chiyu Solar Energy System is Hongqing Technology high-performance solar wing product line designed for LEO satellite platforms. It features a high deployment-to-storage ratio e

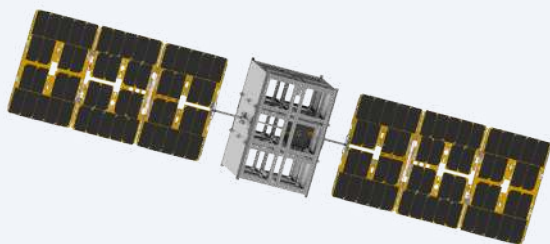
Type	Deployable solar wing / solar array
Configurations	Single-wing, dual-wing
Power output range	1,000 W - 8,000 W
Deployment-to-storage ratio	High (optimized for compact launch stowage)
Power-to-weight ratio	High (optimized for LEO mass constraints)

[price on request](#)

IMT (Ingegneria Marketing Technologies)

1991 · 1 PRODUCT

IMT designs and develops Nano/Micro-satellites and on-board units for commercial, scientific, and defense applications, and provides EEE parts engineering.



IMT (INGEGNERIA MARKETING TECHNOLOGIES)

IMT μ SADA Miniaturized Solar Array Drive Assembly

ESA-funded miniaturized SADA for 6U/12U CubeSats with 6 triple-junction solar panels, 118W BOL output, $\pm 0.3^\circ$ pointing, 250g drive unit mass, and CAN bus interface.

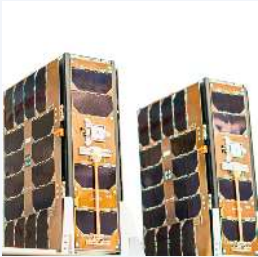
Compatible platforms	ISIS/GomSpace 6U, 12U CubeSats
Solar panels	6x triple-junction InGaP/GaAs/Ge, 100 μ m

	coverglass
BOL wing power	118 W at 25°C
Supply voltage	31-54V (typ. 42 V)
Bus current	2.6-3.0 A (typ. 2.8 A)
price on request	

ISISPACE Group

NETHERLANDS · 2006 · 1 PRODUCT

CubeSat deployers, antennas, EPS and small-satellite systems.



ISISPACE GROUP

Satellite Solar Panels

High-efficiency GaAs triple-junction CubeSat solar panels for 1U–12U missions, with integrated sun and temperature sensors.

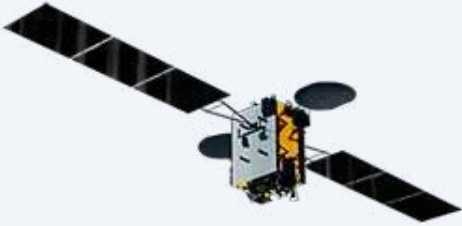
Mass — 1u	50 g
Mass — 2u	100 g
Mass — 3u (XL)	150 g
Mass — 6u (XL)	300 g
Mass — 8u	400 g

price on request

ISS Reshetnev

RUSSIA · 1959 · 1 PRODUCT

Russian satellite manufacturer in Zheleznogorsk, Siberia; GLONASS-K/M navigation, Express GEO comms, Luch data relay, and Yamal satellites; 1,400+ spacecraft built.



ISS RESHETNEV

Solar array drive assembly components

This product page describes solar array drive mechanical units designed for the Express-2000 and Express-1000 satellite platforms and their variants.

price on request

South Korean nanosatellite manufacturer offering CubeSat platforms, optical imagers, star trackers, solar panels, EPS, structures, and deployers for the commercial small satellite market.



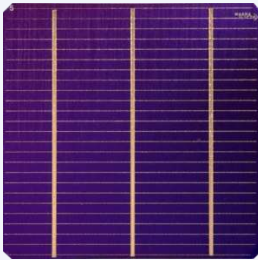
KAIRO SPACE
KSSP Solar Panels

Body-mounted and deployable solar panels for CubeSat electrical power generation in LEO.

Types	Body-mounted and deployable
Cell technology	Triple-junction
Compatible EPS	KSEPS
Form factors	1U-8U CubeSat

price on request

Dual-use clean energy and ISRU technology company developing automated solar manufacturing and regolith-processing systems for Earth and space.



MAANA ELECTRIC
Green Cells HJT Solar Cell

Eco-friendly heterojunction (HJT) solar cell manufactured via Chemical Vapor Deposition instead of Physical Vapor Deposition — 90% less energy and 40% lower material cost.

Cell technology	Heterojunction (HJT)
Manufacturing process	Chemical Vapor Deposition (CVD)
Energy savings	90% less than PVD process
Material cost savings	40% lower

price on request

MMA Design manufactures deployable solutions for space and terrestrial missions, including de-orbit systems and solar arrays, and is headquartered in Broomfield, Colorado.



MMA DESIGN

24U CubeSat Solar Array (Very High Power)

330 W deployable solar array wing for a 24U DoD CubeSat with a 9-panel active surface — believed to be the largest deployable solar array ever flown on a CubeSat.

Power output	330 W (single deployed wing)
Active panel count	9 panels
Target platform	24U CubeSat (DoD mission)
Distinction	Largest deployable CubeSat solar array flown (per MMA)

price on request



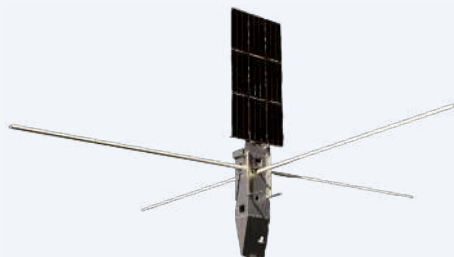
MMA DESIGN

FlexArray Solar Array System

Low-cost, high-reliability deployable solar array using proprietary thin-film membrane substrate with next-generation silicon solar cells — TRL 6, cell-agnostic design for constellations

Substrate	Thin-film membrane
Solar cells	Next-generation silicon (cell-agnostic)
TRL	6 (ground qualification – thermal, vibration)
Target platform	Smallsat / constellation class
Quality standard	AS9100 certified

price on request



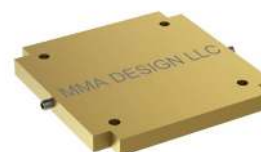
MMA DESIGN

HaWK High Watts per Kilogram Solar Arrays

Rigid-panel deployable solar arrays delivering 36 W to 330 W, flight-proven on defense, exploration, and commercial missions including NASA's MarCO interplanetary CubeSats.

Power output range	36 W to 330 W
Panel type	Rigid deployable panel
Flight heritage	NASA MarCO interplanetary mission, defense and commercial missions

price on request



MMA DESIGN

Solar Array Drive Assembly (SADA)

A gimbal mechanism that rotates a satellite's solar array wings to track the Sun, increasing average and peak orbital power.

Actuation range	+/-180 degrees
Feed-through conductors	Up to 16 signal/power feed-through conductors per wing
Actuation speed	Up to 2.2 degrees per second (adjustable per mission requirements)
Variants	6.5 mm thick gimbal; 9 mm gimbal (supports higher powered arrays)
Radiation tolerance	Radiation tolerant and fully radiation hard versions available for extreme environments

price on request

mPower Technology

UNITED STATES · 2013 · 2 PRODUCTS

mPower Technology develops and manufactures DragonSCALES, ultra-light, flexible silicon solar cell arrays for space power applications, with over 20 years of flight heritage originating from Sandia National Laboratories research.

MPOWER TECHNOLOGY

DragonSCALES

DragonSCALES is an ultra-light, ultra-adaptable silicon solar cell solution developed at Sandia National Laboratories, designed for high-volume, automated manufacturing with lower

High packing factor	Unique cell sizes yield greater power efficiency
Mesh configuration	Isolates faults and eliminates single point failures
Radiation resistant/annealing	Withstands exposure with minimal degradation
Mechanical flexibility	Malleable and integrable with any surface/form
Pre-wired components	Reduces handling and systems integration rework

price on request

MPOWER TECHNOLOGY

DragonSCALES Silicon Solar Cell Technology

Ultralight, mesh-configured silicon solar cell technology for space power — 3-5x lower cost than GaAs, 15-20 year radiation-recovery lifetime, flight-proven with OneWeb and Lynk GI

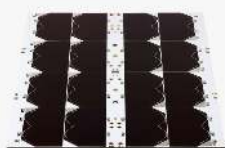
Cell technology	Patented silicon solar cell (not GaAs/III-V)
Cost vs. gaas	3-5x lower cost
Radiation lifetime	15-20 years (with annealing/recovery)
Architecture	Mesh configuration – fault isolation, no single-point failure
Mechanical properties	Flexible, shade tolerant, pre-wired

price on request

NanoAvionics

LITHUANIA · 2014 · 2 PRODUCTS

Pre-integrated nanosatellite buses (3U–16U+ MP42), green chemical propulsion, mission integration.



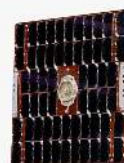
NANOAVIONICS

CubeSat GaAs Solar Panel

NanoAvionics GaAs (Triple junction GaInP/GaInAs/Ge epitaxial structure) solar arrays are high-performance, space-grade solar cells designed for CubeSat missions with high power req

Solar cell efficiency	up to 29.5 %
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price on request



NANOAVIONICS

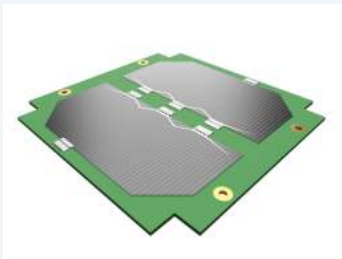
SmallSat GaAs Deployable Solar Panels

High-power triple-junction GaAs deployable solar panels for MP42 and MP42H microsatellite platforms, up to 225 W per wing in triple configuration.

Solar cell type	Triple-junction GaInP/GaInAs/Ge
Efficiency (typ.)	Up to 29.5%
Power generation capacity in LEO (AM0)	36.85 mW/cm²
Operating temperature	-40 °C to +85 °C
Structure	Aluminium honeycomb and carbon fiber

price on request

Thai CubeSat subsystems manufacturer and satellite solutions provider.



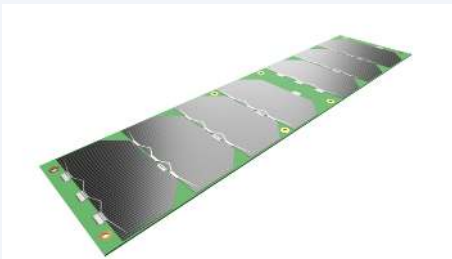
NBSPACE

1U Solar Panel

1U-format photovoltaic panel from NBSPACE, built with space-grade materials for lightweight, compact CubeSat power generation.

Product family	Photovoltaic Panel (1U/3U/6U)
Form factor	1U
Materials	Space-grade materials for durability and optimal power generation
Design	Lightweight, compact, easy satellite integration

price on request



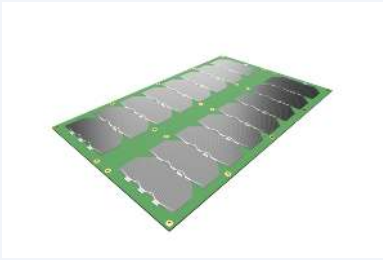
NBSPACE

3U Solar Panel

3U-format photovoltaic panel from NBSPACE, built with space-grade materials for lightweight, compact CubeSat power generation.

Product family	Photovoltaic Panel (1U/3U/6U)
Form factor	3U
Materials	Space-grade materials for durability and optimal power generation
Design	Lightweight, compact, easy satellite integration

price on request



NBSPACE

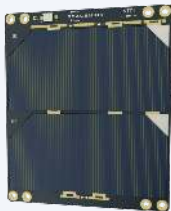
6U Solar Panel

6U-format photovoltaic panel from NBSPACE, built with space-grade materials for lightweight, compact CubeSat power generation.

Product family	Photovoltaic Panel (1U/3U/6U)
Form factor	6U
Materials	Space-grade materials for durability and optimal power generation
Design	Lightweight, compact, easy satellite integration

price on request

NPC Spacemind designs and manufactures CubeSat separation systems, deployers, and subsystems, including deorbiting systems, for nanosatellites and CubeSats.



NPC SPACEMIND
Body Mounted Solar Panels

SPM-SP is a modular and flexible family of solar panels by NPC Spacemind, designed for full compatibility with SM CubeSat structures and both commercial and custom-made CubeSat com

price on request [datasheet](#)



NPC SPACEMIND
D-SP Deployable Solar Panels

Deployable solar panel wings for 3U-16U CubeSats, vertical and lateral (single/double wing) configurations.

D-sp3x-v	3U/6U vertical deployment, Peak power 8-8.8 W, Voc 18.2-19.3 V
D-sp3x-l-1w	3U/6U lateral, single wing
D-sp3x-l-2w	3U/6U lateral, double wing
D-sp6x-v	6U-class vertical deployment
D-sp6x-l-1w	6U-class lateral, single wing

price on request



NPC SPACEMIND
D-SP3X-L-1W

The D-SP3X-L-1W is a deployable solar panel designed for 3U/6U CubeSat structures, featuring a 1-wing lateral configuration and high-efficiency triple junction UTJ solar cells.

Peak power	8 - 8.8 W
Max power current	500 - 520 mA
Max power voltage	16 - 17.5 V
Open circuit voltage	18.2 - 19.3 V

price on request [datasheet](#)



NPC SPACEMIND
D-SP3X-L-2W

The D-SP3X-L-2W is a deployable solar panel system designed for CubeSat structures, featuring a 2 Wings Lateral Configuration and high-efficiency triple junction UTJ solar cells.

Configuration	2 Wings Lateral
Compatibility	3U/6U CubeSat structures
Solar Cells	High efficiency triple junction UTJ
Peak power	16 - 17.6 W
Power connectors	2 parallel picoblade

price on request [datasheet](#)



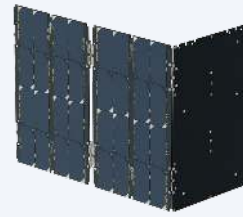
NPC SPACEMIND

D-SP6X-L-1W

The D-SP6X-L-1W is a deployable solar panel with a single wing lateral configuration, compatible with 6U/12U CubeSat structures, offering high-efficiency triple junction solar cell

Deployable solar panel for	XY side
Configuration	1 Wing Lateral
Compatibility	6U/12U CubeSat structures
Solar cells	High efficiency triple junction UTJ
Peak power	18.4 - 20 W

[price on request](#)



NPC SPACEMIND

D-SP6X-L-2W

The D-SP6X-L-2W is a deployable solar panel system designed for 6U/12U CubeSat structures, featuring a 2-wing lateral configuration and high-efficiency triple junction UTJ solar ce

Compatibility	6U/12U CubeSat structures
Solar Cells	High efficiency triple junction UTJ
Peak Power	36.8 - 40 W
Power Connectors	4 parallel picoblade

[price on request](#)

[datasheet](#)



NPC SPACEMIND

D-SP6X-V

The D-SP6X-V is a deployable solar panel designed for 6U/12U CubeSat structures, featuring high-efficiency triple junction UTJ solar cells and a vertical configuration.

Peak power	16.1 - 17.5 W
Max power current	1 - 1.04 A
Max power voltage	16.1 - 17.5 V
Open circuit voltage	18.2 - 19.3 V

[price on request](#)

[datasheet](#)



NPC SPACEMIND

D-SP8X-L-1W

The D-SP8X-L-1W is a deployable solar panel designed for XY side integration, compatible with 8U/16U CubeSat structures and featuring high-efficiency triple junction UTJ solar cell

Configuration	1 Wing Lateral
Compatibility	8U/16U CubeSat structures
Solar Cells	High efficiency triple junction UTJ
Peak power	23 - 25 W
Max power current	1 - 1.04 A

[price on request](#)

[datasheet](#)



NPC SPACEMIND

D-SP8X-L-2W

The D-SP8X-L-2W is a deployable solar panel designed for the XY side of CubeSats, featuring a 2-wing lateral configuration and compatibility with 8U/16U CubeSat structures.

Peak power 46 - 50 W

[price on request](#) [datasheet](#)



NPC SPACEMIND

D-SP8X-V

The D-SP8X-V is a deployable solar panel system designed for 8U/16U CubeSat structures, featuring high-efficiency triple junction UTJ solar cells and a vertical configuration.

Peak power 23 - 25 W

Max power current 1 - 1.04 A

Max power voltage 23 - 25 V

Open circuit voltage 26 - 27.5 V

[price on request](#) [datasheet](#)

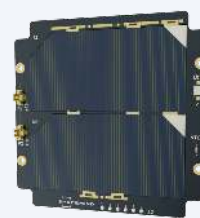


NPC SPACEMIND

Deployable Solar Panels

SM-D-SP is a family of Deployable Solar Panels designed by NPC SPACEMIND to provide a modular and flexible solution for nanosatellite applications.

[price on request](#) [datasheet](#)



NPC SPACEMIND

SP Body-Mounted Solar Panels

Body-mounted solar panel family for 1U-16U CubeSats, X/Y and Z variants, with integrated sensors.

Sp1x 1U side, Mass 40 g, Peak Power 2.3-2.5 W, Voc 5.2-5.5 V

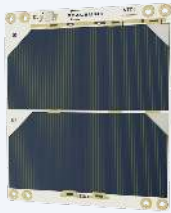
Sp1z 1U zenith panel variant

Sp2x 2U side panel

Sp2z 2U zenith panel variant

Sp3x 3U side panel

[price on request](#)

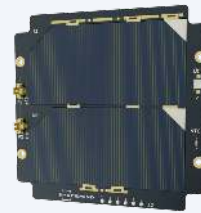


NPC SPACEMIND SP1X

The SP1X is a solar panel designed for 1U CubeSat structures, featuring high-efficiency triple junction solar cells and integrated sensors for power generation and attitude determination.

Solar panel for	XY side
Compatible with	1U CubeSat structures
Solar cells	High efficiency triple junction UTJ
Mass	40 g
Peak power	2.3-2.5 W

[price on request](#)



NPC SPACEMIND SP1Z

The SP1Z is a solar panel designed for CubeSat structures (1U/2U/3U/4U) featuring high-efficiency triple junction UTJ solar cells and integrated sensors.

Solar panel for	Z side
Compatible with	1U/2U/3U/4U CubeSat structures
Solar cells	High efficiency triple junction UTJ
Mass	45 g
Peak power	2.3-2.5 W

[price on request](#)



NPC SPACEMIND SP2X

The SP2X is a solar panel designed for 2U CubeSat structures, featuring high-efficiency triple junction UTJ solar cells and integrated sensors for attitude determination and temperature monitoring.

Mass	87 g
Peak power	4.6-5 W
Current max power	500-520 mA
Voltage max power	9.2-10 V
Open circuit voltage	10.4-11 V

[price on request](#)



NPC SPACEMIND SP2Z

The SP2Z is a body-mounted solar panel designed for 6U/8U CubeSat structures, featuring high-efficiency triple junction UTJ solar cells.

Mass	80 g
Peak Power	4.6-5.2 W
Current Max Power	500-520 mA
Voltage Max Power	9.2-10 V
Open Circuit Voltage	10.4-11 V

[price on request](#)

[datasheet](#)



NPC SPACEMIND SP3X

The SP3X is a solar panel designed for 3U/6U CubeSat structures, featuring high-efficiency triple junction UTJ solar cells and integrated sensors.

Solar panel for	XY side
Compatible with	3U/6U CubeSat structures
Solar cells	High efficiency triple junction UTJ
Mass	137 g
Peak power	8-8.8 W

[price on request](#)

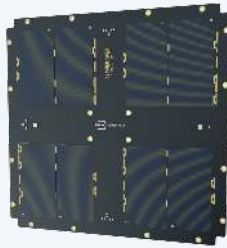


NPC SPACEMIND SP4X

The SP4X is a body-mounted solar panel designed for 4U/8U CubeSat structures, featuring high-efficiency triple junction UTJ solar cells.

Mass	160 g
Peak Power	10.35-11.7 W
Current Max Power	500-520 mA
Voltage Max Power	20.7-22.5 V
Open Circuit Voltage	23.4-24.75 V

[price on request](#) [datasheet](#)



NPC SPACEMIND SP4Z

The SP4Z is a body-mounted solar panel designed for the Z side of 12U/16U CubeSat structures, featuring high-efficiency triple junction UTJ solar cells.

Mass	180 g
Peak Power	9.2-10 W
Current Max Power	500-520 mA
Voltage Max Power	18.4-20 V
Open Circuit Voltage	20.8-22 V

[price on request](#) [datasheet](#)



NPC SPACEMIND SP6X

The SP6X is a solar panel designed for 6U/12U CubeSat structures, featuring high-efficiency triple-junction UTJ solar cells and integrated sensors.

Mass	335 g
Peak power	18.4-20 W
Current max power	1-1.04 A
Voltage max power	18.4-20 V
Open circuit voltage	20.8-22 V

[price on request](#)



NPC SPACEMIND

SP8X

The SP8X is a solar panel designed for 8U/16U CubeSat structures, featuring high-efficiency triple junction UTJ solar cells and integrated sensors for power generation and attitude

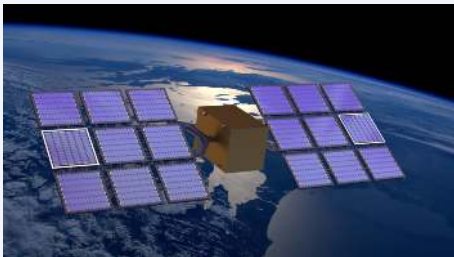
Solar panel for	XY side
Compatible with	8U/16U CubeSat structures
Solar cells	High efficiency triple junction UTJ
Mass	450 g
Peak power	23-25 W

price on request

Opterus Research and Development

UNITED STATES · 2015 · 1 PRODUCT

U.S. manufacturer of deployable spacecraft structures and subsystems - booms, solar arrays and RF antennas - built on proprietary high-strain composite and origami-inspired technology.



OPTERUS RESEARCH AND DEVELOPMENT

Modular Self Stiffening Array (MOSSA)

The MOSSA is a modular, panel-based solar array for SmallSats, designed for missions requiring high precision pointing or rapid slewing, offering configurations from 1 to 9 panels.

price on request

[datasheet](#)

San Francisco-based manufacturer of flight-proven CubeSat kits, SUPERNOVA nanosatellite buses, and spacecraft power/electronics components, with over 150 kits delivered and dozens of successful space missions since 2003.



PUMPKIN, INC.

135W Dual Articulated Deployable Solar Array

A compact, deployable 135W solar array with two single-motor Solar Array Drive Assemblies (SADAs) driving independently steerable 67W triple-panel solar arrays, compatible with Pum

Mass of array and sadas	~4360 g (31 W/kg)
Bounding volume (12U)	~198812 cm^3
Bounding dimensions	227.3 cm x 36.5 cm x 23.9 cm
Cog & moi	Available on request
String configuration option 1	3x 7S3P per half

price on request



PUMPKIN, INC.

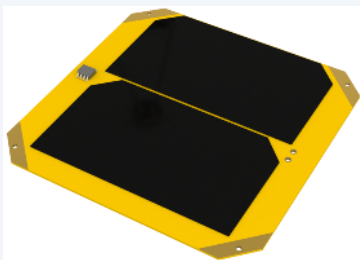
220W Deployable Clamshell Solar Array (DCSA)

A compact 7U-stowed deployable solar array that unfolds into a 24-panel, 192-cell array delivering up to 220W of power for a wide range of spacecraft architectures.

Mass	~5050g (44W/kg)
Bounding volume	~6970 cm^3
Bounding dimensions	43.9 cm x 13.6 cm x 11.6 cm
Cog & moi	Available on request
Stowed volume	7U

price on request

[datasheet](#)



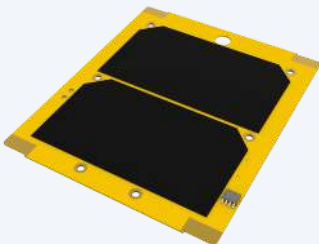
PUMPKIN, INC.

CubeSat Kit Fixed Solar Panel: End Panel

A 0.031in/0.8mm thick fixed (non-deployable) end-panel solar panel for CubeSat Kit satellites, built using Pumpkin's flight-proven PMDSAS construction methods.

SKU	710-00764
Panel thickness	0.031in / 0.8 mm
Solar cell type	Triple-junction solar cells, ~28% to >32% AM0 efficiency over product lifetime
Panel family	Pumpkin Modular Deployable Solar Array System (PMDSAS)
On-orbit track record	Over 600 PMDSAS panels flown since 2008 with 100% on-orbit success rate, LEO through GTO

\$2 500



PUMPKIN, INC.

CubeSat Kit Fixed Solar Panels

Fixed (non-deployable) side/body-mounted solar panels for CubeSat Kit satellites, available in 1U, 1.5U, 2U and 3U cell configurations, built using Pumpkin's flight-proven PMDSAS c

Panel thickness	0.031in / 0.8 mm
Solar cell type	Triple-junction solar cells, ~28% to >32% AM0 efficiency over product lifetime
Panel family	Pumpkin Modular Deployable Solar Array System (PMDSAS)
On-orbit track record	Over 600 PMDSAS panels flown since 2008 with 100% on-orbit success rate, LEO through GTO
Quality testing	Vacuum bakeout and comprehensive irradiance test performed on every panel

\$2 500 – \$5 650



PUMPKIN, INC.

Custom PMDSAS Panel, Body-Mounted, per Cell

Custom body-mounted solar panels built with Pumpkin's Modular Deployable Solar Array System (PMDSAS) technology, priced per solar cell, with a 100% on-orbit success rate since 2008

Technology	Pumpkin Modular Deployable Solar Array System (PMDSAS)
Mounting type	Body-mounted
On-orbit heritage	600+ panels flown since 2008, 100% on-orbit success rate, LEO to GTO
Solar cell efficiency (historical)	~28% AM0 (early triple-junction cells)
Solar cell efficiency (current)	>32% AM0

\$1 250

[datasheet](#)



PUMPKIN, INC.

Custom PMDSAS Panel, Deployable, per Cell

Custom deployable solar panels built with Pumpkin's Modular Deployable Solar Array System (PMDSAS) technology, priced per solar cell, with a 100% on-orbit success rate since 2008.

Technology	Pumpkin Modular Deployable Solar Array System (PMDSAS)
Mounting type	Deployable
On-orbit heritage	600+ panels flown since 2008, 100% on-orbit success rate, LEO to GTO
Solar cell efficiency (historical)	~28% AM0 (early triple-junction cells)
Solar cell efficiency (current)	>32% AM0

\$1 500



PUMPKIN, INC.

Custom Solar Panels

Pumpkin, Inc. offers custom solar panels, including body-mounted and deployable options, designed for various space applications.

[price on request](#)



PUMPKIN, INC.

Lunar Rover Solar Panel

A custom PMDSAS solar array configured to the design constraints of a customer's lunar rover, with custom solar cell string configuration and ability to incorporate additional sens

Example configuration	72-cell, 6x10S1P + 1x12S1P solar panel
Example driven load	Pumpkin EPSM 1 with two 100 Wh BM2 battery modules (not included)
Routing	Single-layer maze routing, no vias
Reliability features	Redundant current paths for every electrical node, strain-relieved interconnects, vacuum-b
Flight heritage	PMDSAS solar panel/solar array technology: 100% success rate in LEO and GTO orbits

[price on request](#)

PUMPKIN

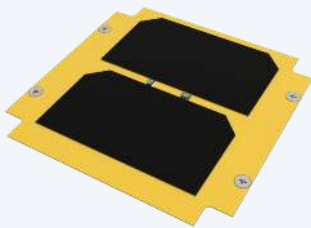
SPACE SYSTEMS

PUMPKIN, INC.

MISC™ Solar Panel Arrays

Pumpkin, Inc. offers MISC™ Solar Panel Arrays, designed for various space applications.

price on request



PUMPKIN, INC.

Solar Panel for AntS antenna

A flight-proven Pumpkin Modular Deployable Solar Array System (PMDSAS) fixed solar panel that replaces the default cover on the ISIS AntS antenna module, generating over 2W in AM0

SKU	710-00837
Price	\$4,730.00
Classification	Flight Hardware Flight Qualified Space Proven
Panel thickness	0.024 in / 0.6 mm
Power output	over 2 W in AM0 conditions

\$4 730



PUMPKIN, INC.

Solar Panel Clips Set (Set of 8 clips)

A set of 8 low-mass clips for mounting up to six solar panels to the faces of a Pumpkin CubeSat Kit structure without shims.

Set size	8 clips
Thickness option 1	0.062"/1.6 mm
Thickness option 2	0.031"/0.8 mm
Compatibility	Pumpkin CubeSat Kit solid-wall or skeletonized structures (Base Plate Assembly / Cover Plate)
Maximum mass per panel (safety factor = 2)	500 g

\$590

[datasheet](#)

PUMPKIN

SPACE SYSTEMS

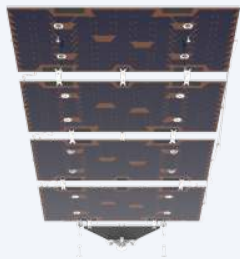
PUMPKIN, INC.

SUPERNOVA™ Standard Solar Panels

Pumpkin, Inc. offers SUPERNOVA™ Standard Solar Panels for space applications.

price on request

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense, including optical imaging, sun sensors, solar arrays, and spacecraft p



REDWIRE CORPORATION

Redwire HiPASS – High-Power Rigid Array Solution for SmallSats

SADA-compatible rigid solar array wing built for ESPA-class electric propulsion smallsat missions, using metallic tape-spring hinges.

Deployed wing dimensions	54 x 144 x 8 in (137 x 365 x 20 cm)
Stowed wing dimensions	30 x 54 x 7.5 in (76 x 137 x 19 cm)
Mass (1 kW point design)	17 kg
Electrical arrangement (1 kW point design)	19s20p per wing, Spectrolab XTE 76.88 cm^2 cells
Hinge type	Metallic tape-spring hinges

price on request [datasheet](#)



REDWIRE CORPORATION

Redwire Rigid Panel Solar Array Systems

Scalable rigid honeycomb-panel solar arrays from 50 W to over 15 kW per wing for LEO, MEO, GEO, and deep-space missions.

Power generation	50 W to >15 kW per wing
Specific mass	0.02-0.15 kg/W
Panel dimensions	~1 m x 1 m and larger, scaled to power
Construction	Composite facesheet, aluminum honeycomb, titanium inserts
Photovoltaic suppliers	Spectrolab, SolAero, Azur, Mpower

price on request



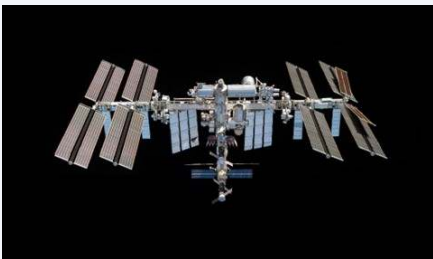
REDWIRE CORPORATION

Rigid Panel Solar Array

Heritage-proven deployable rigid panel solar arrays using high-efficiency triple-junction cells for LEO, MEO, and GEO spacecraft across commercial, civil, and defense programs.

Array type	Rigid panel, deployable
Cell technology	High-efficiency triple-junction
Orbit applicability	LEO, MEO, GEO
Deployment	Spring-actuated hinged panel stack
Power range	Scalable; mission-specific

price on request



REDWIRE CORPORATION

Roll Out Solar Array (ROSA)

Redwire's Roll Out Solar Array (ROSA) is a scalable, high-power solar solution featuring a unique rollable stowage configuration for compact volume and mass optimization.

Configuration	Diamond
Deployed length	8.6 m
Mass	36 kg
BOL power	3.3 kW
Stowed width	2.32 m

price on request [datasheet](#)



REDWIRE CORPORATION

ROSA Roll-Out Solar Array

Redwire Corporation is a US space infrastructure and manufacturing company formed from the merger of multiple space companies including DSS (Deployable Space Systems, the inventor

price on request

Roccor (Redwire)

UNITED STATES · 1 PRODUCT

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense applications, including space infrastructure, autonomous systems, and m



ROCCOR (REDWIRE)

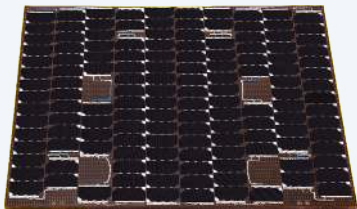
ROSA — Roll-Out Solar Array

The Roll-Out Solar Array (ROSA) is Redwire’s flagship solar power product, a flexible, rollable photovoltaic array that deploys on-orbit via stored strain energy in its compo

Rosa diamond	BOL power 3.3 kW; mass 36 kg; deployed length 8.6 m; stowed width 2.32 m
Rosa opal	BOL power 5.3 kW; mass 42.7 kg; deployed length 12.6 m; stowed width 2.67 m
Rosa sapphire	BOL power 12.9 kW; mass 160 kg; deployed length 21.2 m; stowed width 3.35 m
Rosa tanzanite	BOL power 17.6 kW; mass 180 kg; deployed length 24.8 m; stowed width 4.15 m
Rosa sunstone	BOL power 28 kW; mass 331 kg; deployed length 19.4 m; stowed width 3.1 m

price on request

Shenzhen MagicCubeSat Technology (MCS) builds small satellites and their core onboard units, and operates remote sensing constellations. The company runs an automated production line for satellite core components in Chongqing with an annual



SHENZHEN MAGICCUBESAT TECHNOLOGY (MCS)

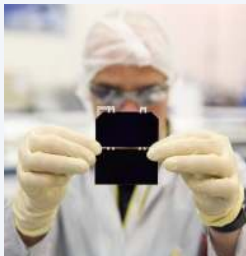
Triple-Junction GaAs Solar Array

Triple-junction gallium arsenide solar array for low-orbit small satellites.

Cell type	Triple-junction GaAs
Flight heritage	20+ arrays in orbit
Application	Low-orbit small satellites

price on request

Rocket Lab designs and manufactures high-efficiency space solar power solutions, including solar cells and panels, for various spacecraft and missions, alongside providing launch services and other sa



SOLAERO TECHNOLOGIES (ROCKET LAB)

Space Solar Solutions

Rocket Lab's Space Solar Solutions offer high-efficiency, radiation-hardened solar cells and customizable solar panel arrays to power spacecraft for various missions, from LEO to d

Solar cell efficiency	Up to 34%
Standard cell area	Up to 81.5 cm²
Flight-proven solar cell technologies	Triple-junction (ZTJ, ZTJ+ & ZTJ-Ω), Quad-junction (Z4J & Z4J+), Five-junction (IMM-β)
Solar panel options	Rigid and Flexible
Solar panel offerings	Rigid space photovoltaic solar panel assemblies (PVA), solar panel substrates, solar power

price on request

Colorado-based manufacturer of spacecraft solar arrays and modules at 10x lower cost than legacy systems, with flight heritage on SpaceX Transporter missions.



SOURCE ENERGY
Large Deployable Solar Arrays

Source Energy’s Large Deployable Solar Arrays are designed for high-power rideshare spacecraft requiring multi-kilowatt power budgets. The architecture features aluminium or

Boom material	Aluminium or Carbon Fibre Pantograph
Deployment mechanism	Strain energy driven
Blanket fold	Z-folded photovoltaic blanket
Hold down	4 HDRMs and 8 kinematic mount interfaces
Structure	CFRP facesheet and aluminium honeycomb blanket box

price on request



SOURCE ENERGY
Small Solar Arrays

Rigid bodymount and deployable solar arrays for small satellites, tested beyond GEVS, fault-tolerant to micrometeorites and shading.

Configurations	Bodymount, Rigid Deployable
Materials	Space stable (UV, radiation, atomic oxygen hardened)
Fault tolerance	Micrometeorite and localised shading tolerant
Testing	Tested beyond GEVS
Stiffness	High deployed stiffness for high pointing capability

price on request



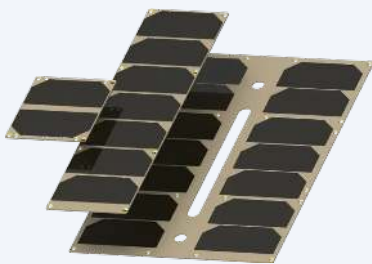
SOURCE ENERGY
Solar Modules

Source Energy’s Solar Modules are flight-proven space-qualified photovoltaic cells and subassemblies designed for extreme reliability in the space environment. With specific

Specific power	up to 303 W/kg
Electrical redundancy	Full
Micrometeorite tolerance	Yes
Shading tolerance	Localised shading tolerant
Materials	Space stable (UV, radiation, atomic oxygen hardened)

price on request

Slovak-Czech full-service nanosatellite mission provider offering CubeSat platforms (1U-16U), onboard subsystems, rideshare launch integration, and



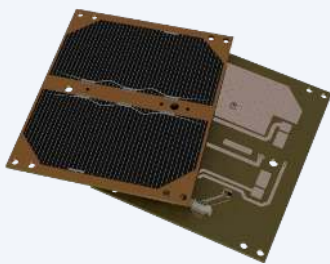
SPACEMANIC S.R.O.

Ra

Ra is Spacemanic’s high-efficiency solar panel solution, engineered for nanosatellites and beyond, delivering reliable, mission-optimized energy for any platform size.

Flight heritage	Yes
ITAR free	Yes
Operating temperature	-40°C to +125°C
Efficiency	> 30%
Configurations	1U, 2U, 3U, 6U, 8U + customized design

price on request datasheet



SPACEMANIC S.R.O.

Ra Solar Panels

High-efficiency (>30%) custom solar panels for nanosatellites and small satellites, tailored to any CubeSat structure from 1U to 8U with premium solar cells.

Solar cell type	Premium triple-junction GaAs
Efficiency	> 30%
Panel sizes available	1U to 8U configurations
Operating temperature	-40 °C to +125 °C
Customization	Panel size, solar cell type, MPPT software – fully custom

€2 400 – €18 700

SpaceTech GmbH

GERMANY · 2004 · 2 PRODUCTS

German space company designing, developing and producing solar arrays, laser-optical instruments and space electronics for satellite missions.



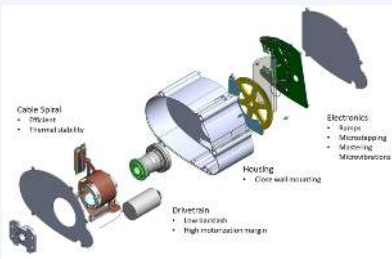
SPACETECH GMBH

SpaceTech Deployable Solar Arrays

One-stop deployable and body-mounted solar array solution with in-house panel manufacturing and multi-hinge deployment mechanisms.

Fill ratio	85%
Panel size range	< 0.5 m² (XS) to > 6 m² (XL) per panel
Deployment technology	Controlled, unsynchronized multi-hinge deployment using standardized C-spring hinges
Manufacturing	In-house panel manufacturing with automated photovoltaic cell laydown
Product scope	Body-mounted panels, single-hinge deployable arrays, multi-hinge deployable solar array wi

price on request datasheet



SPACETECH GMBH

SpaceTech SADA 44/22 (Solar Array Drive Assembly)

Integrated Solar Array Drive Assembly combining drive mechanism and drive electronics for LEO satellite constellations.

Driving method	Current controlled, micro stepping
Command interface	UART (57.6kBaud); RS-422 or RS-485 available
Supply voltage	22 V ... 36 V
Standby current	<= 25 mA
Max load current	< 0.3 A

price on request

Manufacturer of high-efficiency multi-junction solar cells and solar arrays for spacecraft and remote sensing systems.



SPECTROLAB

77cm 2 Class (SuperCell) Triple Junction Solar Cell

Spectrolab's heritage 3J product, the XTJ Prime, offers 30.7% average BOL efficiency and is qualified under AIAA-S111 & AIAA-S112 standards.

Average BOL efficiency	30.7%
EOL efficiency (1E15 1MeV electron)	26.7%
Sizes available	26-84 cm2

price on request

SPECTROLAB

GaInP/GaAs/Ge Lattice Matched 3J Solar Cells

Lattice-matched triple-junction (GaInP/GaAs/Ge) space solar cells reaching up to 32% efficiency, also offered as fully assembled space solar panels.

Cell type	GaInP/GaAs/Ge lattice matched 3J
Efficiency	up to 32%

price on request



SPECTROLAB

Space Solar Arrays

Fully integrated and tested space solar arrays delivered to satellite primes for direct spacecraft integration, manufactured with Spectrolab's advanced multijunction cells and 70+

Integration	Fully integrated and tested – delivered assembly-ready
Cell technology	XTE and XTJ family multijunction cells
Test capability	LAPSS II large area pulsed solar simulator (up to 12 ft diameter panels)
Flight heritage	500+ spacecraft including GEO, LEO, scientific, and defense missions
Flight heritage (2)	70+ years of Spectrolab space solar array manufacturing

price on request



SPECTROLAB

Space Solar Panels

Fully assembled space solar panels built to customer specifications, integrating Spectrolab's multijunction solar cells for maximum EOL performance across all orbital environments.

Integration	Multijunction solar circuits bonded to customer-furnished substrate
Optimization	Engineered for maximum EOL performance per mission profile
Cell technology	XTE or XTJ family multijunction cells
Flight heritage	500+ spacecraft powered by Spectrolab panels

price on request



SPECTROLAB

XTE-HF Solar Cell

Spectrolab's XTE High Fluence 32% BOL triple-junction solar cell for MEO and very high radiation environments exceeding $1e15$ fluence, achieving 23.6% efficiency at $1e16$ fluence.

BOL efficiency	32%
EOL efficiency at $1e16$ fluence	23.6%
Cell technology	GaInP/GaAs/Ge lattice matched triple-junction (3J)
Qualification standard	AIAA-S111-2014
Target orbit	MEO ($>1e15$ fluence, Van Allen belt)

[price on request](#) [datasheet](#)



SPECTROLAB

XTE-LILT Solar Cell

Spectrolab's triple-junction solar cell optimized for Low Intensity Low Temperature conditions, achieving 37% efficiency at Jupiter for deep space missions to outer planets.

BOL efficiency (1 AU)	32%
Efficiency at jupiter lilt conditions	37%
Cell technology	GaInP/GaAs/Ge lattice matched triple-junction (3J)
Qualification standard	AIAA-S111-2014
Target missions	Deep space (Jupiter and beyond, LILT conditions)

[price on request](#) [datasheet](#)

SPECTROLAB

XTE-LILT Triple-Junction Solar Cell

Spectrolab high-efficiency triple-junction solar cell optimized for low-intensity low-temperature (LILT) conditions, used on deep space missions including Juno and New Horizons.

Type	Triple-junction solar cell
Optimization	LILT (Low Intensity Low Temperature)
Flight heritage	Juno, New Horizons, 1000+ spacecraft
Manufacturer	Spectrolab (Boeing subsidiary)

[price on request](#)



SPECTROLAB

XTE-SF Solar Cell

Spectrolab's XTE Standard Fluence 32% BOL triple-junction solar cell for GEO and LEO missions up to $1e15$ fluence, qualified under AIAA-S111-2014.

BOL efficiency	32%
EOL efficiency at $1e15$ fluence	27.9%
Cell technology	GaInP/GaAs/Ge lattice matched triple-junction (3J)
Qualification standard	AIAA-S111-2014
Target orbit	GEO and LEO ($\leq 1e15$ fluence)

[price on request](#) [datasheet](#)



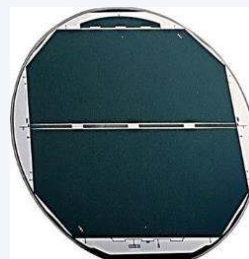
SPECTROLAB

XTE+ GEO Solar Cell

Spectrolab's latest 33% BOL efficiency triple-junction solar cell optimized for GEO and high-radiation missions ($>1e14$ fluence), fully qualified under AIAA-S111-2014.

BOL efficiency	33%
EOL efficiency at $1e15$ fluence	28.5%
Cell technology	GaInP/GaAs/Ge lattice matched triple-junction (3J)
Qualification standard	AIAA-S111-2014
Target orbit	GEO ($>1e14$ fluence)

[price on request](#) [datasheet](#)



SPECTROLAB

XTE+ LEO Solar Cell

Spectrolab's 33% BOL efficiency triple-junction solar cell optimized for LEO missions with lower radiation fluence ($<1e14$), achieving 30.6% efficiency at $1e14$ fluence.

BOL efficiency	33%
EOL efficiency at $1e14$ fluence	30.6%
Cell technology	GaInP/GaAs/Ge lattice matched triple-junction (3J)
Qualification standard	AIAA-S111-2014
Target orbit	LEO ($<1e14$ fluence)

[price on request](#) [datasheet](#)



SPECTROLAB

XTJ Prime Solar Cell

Spectrolab's proven heritage triple-junction solar cell with 30.7% average BOL efficiency, dual-qualified under AIAA-S111 and AIAA-S112, available in sizes from 26 to 84 cm².

BOL efficiency (average)	30.7%
EOL efficiency at $1e15$ fluence	26.7%
Cell technology	Heritage upright lattice matched XTJ triple-junction
Qualification standards	AIAA-S111 and AIAA-S112 (dual qualified)
Available sizes	26–84 cm ²

[price on request](#) [datasheet](#)

SPUTNIX

RUSSIA · 2011 · 5 PRODUCTS

SPUTNIX is a Russian manufacturer of nanosatellite and microsatellite platforms, onboard subsystems and ground infrastructure, operating as a subsidiary brand of Sitronics Group.

SPUTNIX

CubeSat GaAs End/Edge Solar Panel SXC-SGE-03

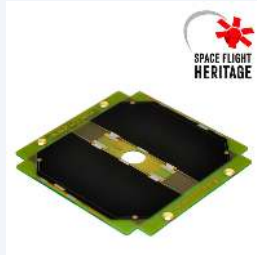
GaAs solar panel with integrated electromagnetic coil for CubeSat top/bottom edges. 98×98 mm, 28% efficiency, 480–520 mA Isc, 37 g. Center aperture for sun sensors.

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CubeSat GaAs Side Solar Panel SXC-SGS-03

GaAs solar panel with built-in electromagnetic coil for CubeSat side surfaces. 98×82.6 mm, 28% efficiency, 480–520 mA Isc, 30 g. Scalable for 2U and 3U frames.

Dimensions	98 × 98 × 10 mm
Mass	37 g
Cell efficiency	28%
Open circuit voltage	5.0–5.5 V
Short circuit current	480–520 mA
price on request	



SPUTNIX

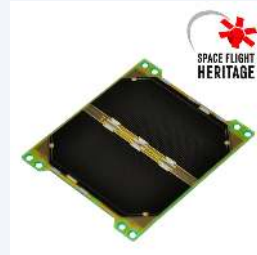
GaAs end edge solar panel with coils

A GaAs solar panel with a built-in electromagnetic coil designed for CubeSat top/bottom edges, with a central aperture for sun sensors or small payloads (SXC-SGE-03).

Model	SPUTNIX SXC-SGE-03
Feature	Compatible with SPUTNIX SXC1 and SXC3 CubeSat frames
Feature (2)	Diode protection circuit
Feature (3)	Built-in planar coil
Feature (4)	Scalable power and coils using several panels

price on request

Dimensions	98 × 82.6 × 8.6 mm
Mass	30 g
Cell efficiency	28%
Open circuit voltage	5.0–5.5 V
Short circuit current	480–520 mA
price on request	



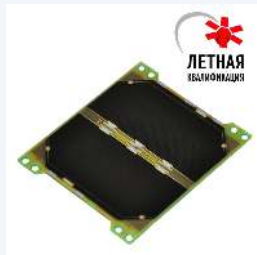
SPUTNIX

GaAs side solar panel with coils

A GaAs solar panel with a built-in electromagnetic detumbling coil, sized for CubeSat side surfaces (SXC-SGS-03).

Model	SPUTNIX SXC-SGS-03
Feature	Compatible with SPUTNIX SXC1 and SXC3 CubeSat frames
Feature (2)	Diode protection circuit
Feature (3)	Built-in planar coil
Feature (4)	Scalable power and coils using several panels

price on request



SPUTNIX

SXC-SG-03 GaAs Solar Panels (Side / End)

GaAs (gallium arsenide) solar panels with integrated electromagnetic torquer coils for CubeSat structures. Side version (SXC-SGS-03) mounts on the side edge of a 1U body; end versi

Cell type	GaInP/GaAs/Ge triple-junction on Ge substrate
Cell efficiency	28
Dimensions	98 × 82.6 × 8.6 mm (1.7 mm thick without connector)
Mass	30–34
Open-circuit voltage (Voc)	5.3

price on request

Manufacturers in this sector

2NDSpace Srl

Italy · 2023 · 14 products

New Space company designing modular nanosatellite/CubeSat hardware: structures, solar panels, EPS, antennas, OBCs, and deployers/separation systems.

Alba Orbital

United Kingdom · 2012 · 1 product

Alba Orbital manufactures PocketQube satellites, provides launch and ground station services, and operates a fleet of nighttime imaging satellites for government and commercial clients.

Ananth Technologies

India · 1992 · 1 product

Ananth Technologies is a Hyderabad-based aerospace and defence company that partners with ISRO and DRDO on satellite assembly, integration and testing, launch vehicle electronics, and RF/mic

Aphelion Orbitals

United States · 2017 · 1 product

Aphelion Orbitals is a New Jersey-based launch vehicle company developing the Helios nanosatellite launch system for regular, scheduled orbital access at low cost.

Ascent Solar Technologies

United States · 2005 · 4 products

US manufacturer of ultra-thin, lightweight CIGS thin-film flexible solar panels for spacecraft, UAVs, and extreme-environment applications, with on-orbit heritage.

Astradyne

United States · 1 product

US small satellite manufacturer developing modular high-power solar array platforms for commercial and government GEO and MEO missions.

Azista Industries

India · 1 product

Indian multi-sector technology company; Earth observation satellite development alongside electronics, composites, and agri-health services; satellite EO for food, agriculture, and healthcar

AZUR SPACE

Germany · 1964 · 7 products

AZUR SPACE designs and manufactures multi-junction solar cells and Coverglass Interconnected Cell assemblies for space and terrestrial applications.

Beyond Reach Labs

United States · 1 product

Developer of deployable solar arrays delivering scalable power for orbital data centers, space stations, and lunar operations.

Blue Canyon Technologies

United States · 2008 · 2 products

Leading provider of small satellite buses, systems, and components for commercial, civil, and government space missions, a Raytheon (RTX) business.

CAVU Aerospace

United Kingdom · 2016 · 1 product

CAVU Aerospace designs and manufactures spacecraft avionics, including radiation-tolerant onboard computers, thermal control units, frame grabbers, and flight-proven satellite cameras for sp

Comat

France · 1963 · 2 products

Comat is a French aerospace equipment manufacturer, part of the Hemeria group, designing flight hardware and mechanisms for small satellites, telecommunications/observation payloads, and spa

CTD (Composite Technology Development)

United States · 1988 · 1 product

CTD develops state-of-the-art composites for extreme conditions and demanding applications in aerospace, high performance magnets, cryogenic systems, marine, automotive, and industrial secto

CubeSat Aerospace

India · 1 product

Indian CubeSat developer offering flight-ready 1U–6U satellite structures, subsystem components, environmental testing services, launch integration, and STEM education programs from Ahmedaba

Dcubed

Germany · 4 products

German manufacturer of space deployables using patented Shape Memory and Origami technologies — release actuators, solar arrays, and antenna deployables for CubeSats and microsatellites.

Deployable Space Systems (DSS) — now Redwire

United States · 2 products

Deployable Space Systems (DSS), now part of Redwire, develops and produces the ROSA (Roll-Out Solar Array) — the deployable solar wing powering ISS upgrades, DART, and the Gateway PPE.

Dhruva Space

India · 2012 · 1 product

Dhruva Space is an Indian space technology company founded in 2012, providing satellites, Earth stations, and launch services as integrated or individual solutions.

DHV Technology

Spain · 2013 · 7 products

DHV Technology is a Spanish space technology company designing and manufacturing solar panels, electrical power systems, MLI blankets, and solar array drive assemblies for CubeSats and small

Emxys

Spain · 2007 · 1 product

Emxys is a Spanish space electronics company specialising in advanced onboard computers, power systems, optical transceivers, and complete nanosatellite platforms for data-intensive space mi

EnduroSat

Bulgaria · 2015 · 6 products

Software-flexible CubeSat platforms (1U–16U+), shared-satellite hosted-payload service.

EXA (Ecuadorian Space Agency)

Ecuador · 2007 · 1 product

Ecuadorian civilian space agency and manufacturer of high-energy-density batteries, deployable solar arrays and CubeSat platforms.

Flexell

United States · 2023 · 2 products

Space technology startup developing flexible electronics and energy solutions for satellite and space applications.

Glavkosmos

Russia · 1985 · 9 products

Glavkosmos coordinates international human spaceflight projects, facilitates satellite launches, develops and supplies rocket components, and provides equipment for space crews.

GomSpace

Denmark · 2007 · 3 products

GomSpace is a Danish CubeSat manufacturer producing satellite platforms, subsystems, and end-to-end mission solutions. Products include the NanoCom radio modules, NanoPower EPS, and complete

GTM Advanced Structures

Netherlands · 1 product

GTM Advanced Structures is an AS9100-certified Dutch manufacturer of flight-ready solar panels for spacecraft and satellite missions, with over 80 SmallSat and 200 CubeSat solar panels deplo

Hemeria

France · 1 product

HEMERIA designs, produces, and supplies space systems, vehicles, and defense equipment for commercial, institutional, and scientific customers.

Hongqing Technology (鸿擎科技)

China · 2021 · 1 product

Beijing satellite constellation company partnered with Blue Arrow Aerospace; develops communications, remote sensing, and science satellites plus in-house Jinwu propulsion, Chiyu power, and

IMT (Ingegneria Marketing Technologies)

1991 · 1 product

IMT designs and develops Nano/Micro-satellites and on-board units for commercial, scientific, and defense applications, and provides EEE parts engineering.

ISISPACE Group

Netherlands · 2006 · 1 product

CubeSat deployers, antennas, EPS and small-satellite systems.

ISS Reshetnev

Russia · 1959 · 1 product

Russian satellite manufacturer in Zheleznogorsk, Siberia; GLONASS-K/M navigation, Express GEO comms, Luch data relay, and Yamal satellites; 1,400+ spacecraft built.

Kairo Space

South Korea · 1 product

South Korean nanosatellite manufacturer offering CubeSat platforms, optical imagers, star trackers, solar panels, EPS, structures, and deployers for the commercial small satellite market.

Maana Electric

Luxembourg · 2018 · 1 product

Dual-use clean energy and ISRU technology company developing automated solar manufacturing and regolith-processing systems for Earth and space.

MMA Design

4 products

MMA Design manufactures deployable solutions for space and terrestrial missions, including de-orbit systems and solar arrays, and is headquartered in Broomfield, Colorado.

mPower Technology

United States · 2013 · 2 products

mPower Technology develops and manufactures DragonSCALES, ultra-light, flexible silicon solar cell arrays for space power applications, with over 20 years of flight heritage originating from

NanoAvionics

Lithuania · 2014 · 2 products

Pre-integrated nanosatellite buses (3U–16U+ MP42), green chemical propulsion, mission integration.

NBSpace

Thailand · 2021 · 3 products

Thai CubeSat subsystems manufacturer and satellite solutions provider.

NPC Spacemind

2013 · 21 products

NPC Spacemind designs and manufactures CubeSat separation systems, deployers, and subsystems, including deorbiting systems, for nanosatellites and CubeSats.

Opterus Research and Development

United States · 2015 · 1 product

U.S. manufacturer of deployable spacecraft structures and subsystems - booms, solar arrays and RF antennas - built on proprietary high-strain composite and origami-inspired technology.

Pumpkin, Inc.

United States · 1995 · 12 products

San Francisco-based manufacturer of flight-proven CubeSat kits, SUPERNOVA nanosatellite buses, and spacecraft power/electronics components, with over 150 kits delivered and dozens of success

Redwire Corporation

United States · 2020 · 5 products

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense, including optical imaging, sun sensors, solar arrays, and sp

Roccor (Redwire)

United States · 1 product

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense applications, including space infrastructure, autonomous syst

Shenzhen MagicCubeSat Technology (MCS)

China · 2018 · 1 product

Shenzhen MagicCubeSat Technology (MCS) builds small satellites and their core onboard units, and operates remote sensing constellations. The company runs an automated production line for sat

SolAero Technologies (Rocket Lab)

United States · 1998 · 1 product

Rocket Lab designs and manufactures high-efficiency space solar power solutions, including solar cells and panels, for various spacecraft and missions, alongside providing launch services an

Source Energy

United States · 2021 · 3 products

Colorado-based manufacturer of spacecraft solar arrays and modules at 10x lower cost than legacy systems, with flight heritage on SpaceX Transporter missions.

Spacemanic s.r.o.

Slovakia · 2017 · 2 products

Slovak-Czech full-service nanosatellite mission provider offering CubeSat platforms (1U-16U), onboard subsystems, rideshare launch integration, and ground segment services.

SpaceTech GmbH

Germany · 2004 · 2 products

German space company designing, developing and producing solar arrays, laser-optical instruments and space electronics for satellite missions.

Spectrolab

United States · 1956 · 11 products

Manufacturer of high-efficiency multi-junction solar cells and solar arrays for spacecraft and remote sensing systems.

SPUTNIX

Russia · 2011 · 5 products

SPUTNIX is a Russian manufacturer of nanosatellite and microsatellite platforms, onboard subsystems and ground infrastructure, operating as a subsidiary brand of Sitronics Group.

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