NEWSPACE MARKET

NEWSPACE MARKET · SECTOR CATALOGUE

Batteries

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

57	25	13	19
PRODUCTS	MANUFACTURERS	COUNTRIES	WITH DATASHEETS

newspacemarket.com/catalogues/batteries/

as of 2 September 2026

ABOUT THIS CATALOGUE

What is inside

This catalogue lists **57 batteries products** offered by **25 manufacturers** across **13 countries**. Of those, 19 carry a manufacturer datasheet and 2 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 6 · China 3 · France 2 · Russia 2 · Denmark 2 · Sweden 1 · Italy 1 · Germany 1 · India 1 · South Africa 1 · United Kingdom 1 · Ecuador 1 · Estonia 1

OVERVIEW

All products at a glance

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
1U Battery Board	CubeSat Aerospace	India	Battery type: Li-ion (18650 cells or flat-pack pouch, configurable)	on request
28-300 Battery Module	Dragonfly Aerospace	South Africa	Topology: 9s4p	on request
4S1P VES16 Battery	Saft	France	Chemistry: Li-ion	on request
50V Battery	ibeos	—	Voltage: 50 V	on request
ABSL CM1040 36s4p Li-ion Space Battery (126 V, 8 Ah)	EnerSys / ABSL Space Products	United Kingdom	Cell: ABSL P20	on request
ABSL CM1040 8s18p Li-ion Space Battery (28 V, 36 Ah)	EnerSys / ABSL Space Products	United Kingdom	Cell: ABSL P20	on request
ABSL CM170 4s6p Li-ion Space Battery (14 V, 12 Ah)	EnerSys / ABSL Space Products	United Kingdom	Cell: ABSL P20	on request
ABSL CM230 8s4p Li-ion Space Battery (28 V, 8 Ah)	EnerSys / ABSL Space Products	United Kingdom	Cell: ABSL P20	on request
ABSL CM2300 16s20p Li-ion Space Battery (56 V, 40 Ah)	EnerSys / ABSL Space Products	United Kingdom	Cell: ABSL P20	on request
ABSL CM2300 8s40p Li-ion Space Battery (28 V, 80 Ah)	EnerSys / ABSL Space Products	United Kingdom	Cell: ABSL P20	on request
ABSL CM520 8s9p Li-ion Space Battery (28 V, 18 Ah)	EnerSys / ABSL Space Products	United Kingdom	Cell: ABSL P20	on request
Airbus Space Battery Products	Airbus Defence and Space	France	Astro-batt voltage configurations: 30, 50 and 100 V	on request
ARC Regulation and Control Equipment for Manned and Cargo Spacecraft	Glavkosmos	Russia	Purpose: Designed for manned spacecraft.	on request
Arctic	Max Joule	Estonia	—	on request
B14-M45/M90 14V Modular SmallSat Battery	ibeos	—	Configuration: B14-M45: 45 Whr (single); B14-M90: 90 Whr (dual module)	on request
B28-135 28V SmallSat Battery	ibeos	—	Capacity: 135 Whr	on request
B28-M275/550/825/1100 28V Modular Battery Series	ibeos	—	Configurations: B28-M275 (275 Whr), B28-M550 (550 Whr), B28-M825 (825 Whr),…	on request
B50-412/825/1237 50V Modular Battery Series	ibeos	—	Configurations: B50-412 (412 Whr), B50-825 (825 Whr), B50-1237 (1237 Whr)	on request
BAT module	Space Inventor ApS	Denmark	Nominal voltage (4-cell variant): 14.4 V	on request
BAT-110	Berlin Space Technologies	Germany	Supply voltage: 23.1 V (customizable)	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
EBC Rad-Hard External Battery Charger	Argotec Srl	Italy	Type: External Battery Charger (EBC), rad-hard	on request
ELEKTRA BATTERY PACK	Argotec Srl	Italy	—	on request
EXA BA0x High Energy Density Battery Array	EXA (Ecuadorian Space Agency)	Ecuador	Manufacturer: EXA	on request
EXA TITAN-1 350Whr High Energy Density Battery Matrix	EXA (Ecuadorian Space Agency)	Ecuador	Manufacturer: EXA	on request
High Capacity Batteries	Blue Canyon Technologies	United States	Ip8s nameplate capacity: 3.4 Ah	on request
High Energy Space Battery Cells	Lanzo Batteries	—	Product: Li-ion battery cells and pack assemblies for space (small satellites)	on request
High-capacity Rechargeable Battery for Power Supply of Spacecraft and Ground Infrastructure	Glavkosmos	Russia	Year of release: 2008	on request
Intelligent Lithium Battery Module (BM2)	Pumpkin, Inc.	United States	Cell type: 8× 18650-size Li-Ion	$10 500
Intelligent Protected Lithium Battery Module with SoC Reporting (BM2)	Pumpkin, Inc.	United States	Battery configuration option 2s4p: 8 cells, 5.2-8.4 V	$10 500 — $12
KULR ONE Space (K1S) Battery System	KULR Technology	United States	Energy configurations: 100 Wh, 200 Wh, 300-LT, 400 Wh series	on request
KULR Thermal Runaway Shield for Space	KULR Technology	United States	Product: Thermal Runaway Shield (TRS) — cell-to-cell propagation containment	on request
Lithium-Ion Battery Pack	Shenzhen MagicCubeSat Technology (MCS)	China	Chemistry: Lithium-ion	on request
MP & VL Batteries for Launchers	Saft	France	Chemistry: Li-ion	on request
NanoPower BP8 100 Wh	GomSpace	Denmark	Nominal Wattage: 100 Wh	on request
NanoPower BPX 100 Wh	GomSpace	Denmark	Nominal Voltage: 28.8 V	on request
Nanosatellite Battery Array	Glavkosmos	Russia	Purpose: Battery array board designed to store power on nanosatellite.	on request
Nanosatellite Power Subsystem	Stellar Exploration, Inc.	United States	Peak power: Up to 5 kW for 90 seconds per orbit	on request
NEA® 8020 Series Battery Cell Bypass Switch	Ensign-Bickford Aerospace & Defense (EBAD)	United States	Continuous current ratings: 100 A	on request
NEA® 8030 Series Battery Cell Bypass Switch	Ensign-Bickford Aerospace & Defense (EBAD)	United States	Continuous current ratings: 250 A	on request
NEA® 8040 Series Battery Cell Bypass Switch	Ensign-Bickford Aerospace & Defense (EBAD)	United States	Continuous current ratings: 400 A	on request
Nova	Max Joule	Estonia	—	on request
OPTIMUS Battery	AAC Clyde Space	Sweden	TRL: 9	on request
Phoenix	Max Joule	Estonia	—	on request

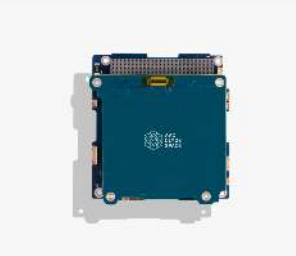
PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Power supply system (with battery unit)	SPUTNIX	Russia	Sxc-psu-03 dimensions: 98.4 x 96 x 19 mm (±0.2 mm)	on request
Power Supply System [with battery unit]	Glavkosmos	Russia	Purpose: Designed for power supply of satellite subsystems.	on request
Rechargeable Battery for Power Supply of Spacecraft	Glavkosmos	Russia	Purpose: Power supply of spacecraft.	on request
Rechargeable Battery for Power Supply of Spacecraft and Ground Infrastructure	Glavkosmos	Russia	Year of release: 2003	on request
Regulation and control equipment	SPUTNIX	Russia	Dimensions: 306 x 161 x 140 (without fasteners) mm	on request
Satellite Power Systems	ZeroG Lab	China	—	on request
Solar Element GaInP2 / GaAs / Ge	Glavkosmos	Russia	Purpose: Utilization in battery design of solar power supply systems of spa…	on request
Space Nuclear Power (RTG and Nuclear Electric)	CNNC Space (China National Nuclear Corp Space)	China	Technology: RTGs (radioisotope thermoelectric generators), RHUs, nuclear el…	on request
SXC-PSS-03 Electrical Power System (with Battery Pack)	SPUTNIX	Russia	Type: EPS (power conditioning unit + battery pack)	on request
Umbra Battery Module (8S1P/8S2P)	Umbra Lab Inc.	United States	Battery voltage range: 22 V to 31 V	on request
VES16 11S16P Battery	Saft	France	Chemistry: Li-ion	on request
VES16 8S4P Battery	Saft	France	Chemistry: Li-ion	on request
VES16 Cell	Saft	France	Chemistry: Li-ion NCA	on request
VL51ES Li-Ion Battery for GEO and MEO	Saft	France	Cell type: VL51ES Li-ion cylindrical cell	on request

Products by manufacturer

AAC Clyde Space

SWEDEN · 1999 · 1 PRODUCT

AAC Clyde Space provides small satellite technologies and space-based data services, offering end-to-end solutions from satellite components to data analytics for various applications.



AAC CLYDE SPACE

OPTIMUS Battery

The OPTIMUS Battery is a highly reliable and scalable CubeSat battery range with extensive flight heritage, featuring integrated thermostatically controlled heaters and multiple pr

TRL	9
Flown since	2014
Available capacities	30, 40 & 80 Whr
Battery type	High quality lithium-ion battery
Qualification	Qualified to NASA standards EP-Wi-032

price on request datasheet

Airbus Defence and Space

FRANCE · 2014 · 1 PRODUCT

Airbus Defence and Space designs and manufactures satellites, spacecraft equipment, and provides related services for telecommunications, navigation, Earth observation, and space exploration.

AIRBUS DEFENCE AND SPACE

Airbus Space Battery Products

Airbus offers four product lines of space-qualified Lithium-Ion batteries (ASTRO-BATT, COSMO-BATT, STELLAR-BATT, LAUNCHER-BATT) designed for diverse space missions, from LEO conste

Astro-batt voltage configurations	30, 50 and 100 V
Astro-batt qualification	Successfully qualified mid-2024
Cosmo-batt single module energy range	500 to 3000 Wh
Cosmo-batt-s energy	From 500 to 1000 Wh
Cosmo-batt-s flight heritage	On board on Galileo satellites

price on request datasheet

Argotec Srl

ITALY · 2008 · 2 PRODUCTS

Argotec is an Italian spacecraft manufacturer that designed and operates the ArgoMoon CubeSat and develops satellite platforms and subsystems for ESA and commercial missions.

ARGOTEC SRL

EBC Rad-Hard External Battery Charger

Radiation-hardened external battery charger that automates microsatellite battery management during long cruise phases to the Moon, Mars or asteroids.

Type	External Battery Charger (EBC), rad-hard
Function	Automated battery management during long cruise phases
Target destinations	Remote locations such as the Moon, Mars and asteroids
Integration	Safe integration with a mothercraft, with fault isolation
Embedded functions	Battery charge regulation; thermal control off-loading in survival and operative (charging

price on request

ARGOTEC SRL

ELEKTRA BATTERY PACK

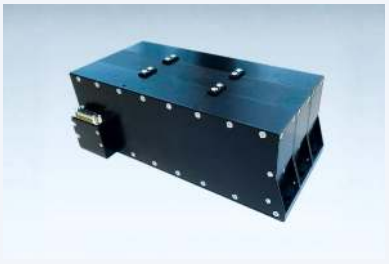
Scalable Li-ion Battery Pack with Integrated Battery Management System (BMS) optimized for peak performance in Deep Space and LEO.

price on request datasheet

Berlin Space Technologies

GERMANY · 2010 · 1 PRODUCT

Berlin Space Technologies (BST) designs and mass manufactures small satellite systems and technologies, providing end-to-end solutions for space missions.



BERLIN SPACE TECHNOLOGIES

BAT-110

The BST BAT-110 is a modular Li-Fe battery system for small satellites, offering high cycle life, safety features, and customizable voltage and capacity.

Supply voltage	23.1 V (customizable)

Capacity	7.5 Ah (customizable)
Operating temperature	-20°C to 40°C
Storage temperature	-30°C to 50°C
Protection	Overvoltage, Undervoltage

price on request datasheet

Blue Canyon Technologies

UNITED STATES · 2008 · 1 PRODUCT

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

BLUE CANYON TECHNOLOGIES

High Capacity Batteries

Blue Canyon Technologies offers high-capacity batteries with integrated heaters to optimize operation at low temperatures, available in two configurations: IP8S and 2P8S.

Ip8s nameplate capacity	3.4 Ah
Ip8s energy	99 Wh
Ip8s mass	<650 g
2p8s nameplate capacity	6.8 Ah
2p8s energy	198 Wh

price on request datasheet

CNNC Space (China National Nuclear Corp Space)

CHINA · 1955 · 1 PRODUCT

Chinese state-owned nuclear enterprise founded 1955 in Beijing overseeing civilian nuclear power, fuel production, and uranium mining; uses satellite remote sensing for exploration and researches nuclear space propulsion.

CNNC SPACE (CHINA NATIONAL NUCLEAR CORP SPACE)

Space Nuclear Power (RTG and Nuclear Electric)

CNNC Space Division's radioisotope thermoelectric generators (RTGs) and nuclear electric propulsion research for Chinese deep-space exploration missions.

Technology	RTGs (radioisotope thermoelectric generators), RHUs, nuclear electric propulsion research
Applications	Deep-space probes, lunar night survival, future crewed lunar base power
Chinese heritage	RHU units on Chang'e-4 and Chang'e-5 lunar missions
Future goal	Kilowatt-class fission power for 2030s lunar base and Mars missions

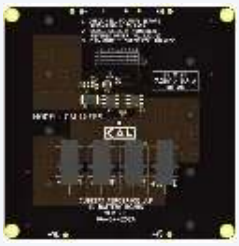
Organization	China National Nuclear Corporation (state-owned, Beijing)

price on request

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 Battery Board

The 1U Battery Board by CubeSat Aerospace is a compact, high-efficiency energy storage module designed for small satellite missions, supporting regulated power delivery and offerin

Battery type	Li-ion (18650 cells or flat-pack pouch, configurable)
Nominal voltage	3.7 V – 7.4 V (single or dual cell configuration)
Capacity range	2600 mAh – 5200 mAh (standard configurations)
Charging method	MPPT solar input or USB-C interface via avionics board
Protection features	Overcharge, over-discharge protection; Short circuit and overcurrent protection; Thermal c

price on request

Dragonfly Aerospace

SOUTH AFRICA · 2019 · 1 PRODUCT

South African manufacturer of high-performance electro-optical imaging payloads and satellite platforms for Earth observation.

DRAGONFLY AEROSPACE

28-300 Battery Module

Dragonfly's flight-proven 28V LFP (Lithium Iron Phosphate) high-power, modular spacecraft energy storage solution, designed with ITAR-free, commercial off-the-shelf (COTS) componen

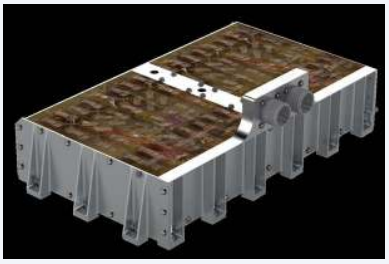
Topology	9s4p
Chemistry	LFP
Nominal voltage	29,7 V
Capacity	297 Wh
Discharge - continuous	20 A (600 W, 2C)

price on request datasheet

EnerSys / ABSL Space Products

UNITED KINGDOM · 2000 · 7 PRODUCTS

Global leader in stored energy solutions — ABSL Space Products division delivers lithium-ion battery systems for spacecraft, used on Rosetta, Cassini, and numerous ESA missions.



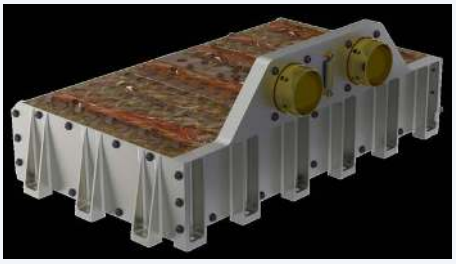
ENERSYS / ABSL SPACE PRODUCTS

ABSL CM1040 36s4p Li-ion Space Battery (126 V, 8 Ah)

Fully qualified 1066 Wh Li-ion space battery in 36s4p topology, used on launch vehicles including for Thrust Vector Control, 8.4 kg.

Cell	ABSL P20
Topology	36s4p
Voltage range	151.2 - 108.0 V
Nameplate capacity	8 Ah
Energy	1066 Wh

price on request datasheet



ENERSYS / ABSL SPACE PRODUCTS

ABSL CM1040 8s18p Li-ion Space Battery (28 V, 36 Ah)

1066 Wh Li-ion space battery in 8s18p topology on a 28 V bus, 36 Ah nameplate capacity, 8.8 kg.

Cell	ABSL P20
Topology	8s18p
Voltage range	33.6 - 24.0 V
Nameplate capacity	36 Ah
Energy	1066 Wh

price on request datasheet

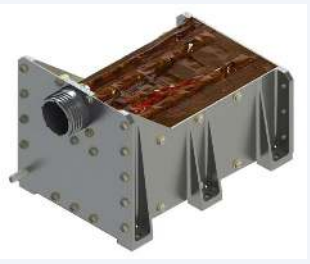
ENERSYS / ABSL SPACE PRODUCTS

ABSL CM170 4s6p Li-ion Space Battery (14 V, 12 Ah)

Compact 178 Wh Li-ion space battery in 4s6p topology for a 14 V bus, 1.6 kg, suited to SmallSat missions.

Cell	ABSL P20
Topology	4s6p
Voltage range	16.8 - 12.0 V
Nameplate capacity	12 Ah
Energy	178 Wh

price on request datasheet



ENERSYS / ABSL SPACE PRODUCTS

ABSL CM230 8s4p Li-ion Space Battery (28 V, 8 Ah)

236.8 Wh Li-ion space battery in 8s4p topology for a 28 V bus, 2.05 kg.

Cell	ABSL P20
Topology	8s4p
Voltage range	33.6 - 24.0 V
Nameplate capacity	8 Ah
Energy	236.8 Wh

price on request datasheet

ENERSYS / ABSL SPACE PRODUCTS

ABSL CM2300 16s20p Li-ion Space Battery (56 V, 40 Ah)

2300 Wh Li-ion space battery in 16s20p topology for a 56 V bus, 40 Ah nameplate capacity, 19.6 kg.

Cell	ABSL P20
Topology	16s20p
Voltage range	67.2 - 48.0 V
Nameplate capacity	40 Ah
Energy	2300 Wh

price on request datasheet

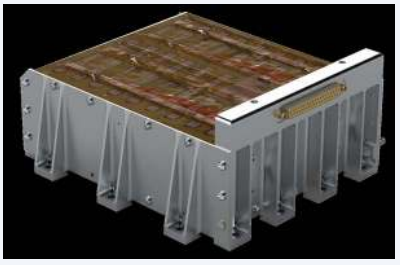
ENERSYS / ABSL SPACE PRODUCTS

ABSL CM2300 8s40p Li-ion Space Battery (28 V, 80 Ah)

2300 Wh Li-ion space battery in 8s40p topology for a 28 V bus, 80 Ah nameplate capacity, 20 kg.

Cell	ABSL P20
Topology	8s40p
Voltage range	33.6 - 24.0 V
Nameplate capacity	80 Ah
Energy	2300 Wh

price on request datasheet



ENERSYS / ABSL SPACE PRODUCTS

ABSL CM520 8s9p Li-ion Space Battery (28 V, 18 Ah)

532.8 Wh Li-ion space battery in 8s9p topology for a 28 V bus, 4.3 kg.

Cell	ABSL P20
Topology	8s9p
Voltage range	33.6 - 24.0 V
Nameplate capacity	18 Ah
Energy	532.8 Wh

price on request datasheet

Ensign-Bickford Aerospace & Defense (EBAD)

UNITED STATES · 3 PRODUCTS

US manufacturer of non-explosive actuators (TiNi FrangiBolt, pin pullers, ejectors) and energetic hold-down and release systems.

ENSIGN-BICKFORD AEROSPACE & DEFENSE (EBAD)

NEA® 8020 Series Battery Cell Bypass Switch

An electrically initiated, one-shot switch designed to bypass and isolate failed battery cells, featuring Make-Before-Break functionality and available in non-autonomous and autono

Continuous current ratings	100 A
Switch resistance	<200 µΩ @ 100 A
Fuse wire resistance	0.5 to 1.6 Ω @ 25°C
Minimum actuation current	1.2 A
Nominal actuation current	4 Amps for 25 ms

ENSIGN-BICKFORD AEROSPACE & DEFENSE (EBAD)

NEA® 8030 Series Battery Cell Bypass Switch

price on request

An electrically initiated, one-shot switch designed to bypass and isolate failed battery cells, featuring Make-Before-Break functionality and available in non-autonomous and autono

Continuous current ratings	250 A
Switch resistance	<200 µΩ @ 250 A
Fuse wire resistance	0.5 to 1.6 Ω @ 25°C
Minimum actuation current	1.2 A
Nominal actuation current	4 Amps for 25 ms

price on request

ENSIGN-BICKFORD AEROSPACE & DEFENSE (EBAD)

NEA® 8040 Series Battery Cell Bypass Switch

An electrically initiated, one-shot switch designed to bypass and isolate failed battery cells in battery assemblies, offering Make-Before-Break functionality.

Continuous current ratings	400 A
Switch resistance	<150 µΩ @ 400 A
Fuse wire resistance	0.95 to 1.6 Ω @ 25°C
Minimum actuation current	1.2 A
Nominal actuation current	4 Amps for 25 ms

price on request

EXA (Ecuadorian Space Agency)

ECUADOR · 2007 · 2 PRODUCTS

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

EXA (ECUADORIAN SPACE AGENCY)

EXA BA0x High Energy Density Battery Array

As thin as 7 millimetres thick, the EXA BA0x High Energy Density Battery Array is a family of power store/delivery devices designed to provide the highest energy capacity and…

Manufacturer	EXA
Lead time	4 – 6 weeks

price on request

EXA (ECUADORIAN SPACE AGENCY)

EXA TITAN-1 350Whr High Energy Density Battery Matrix

The EXA TITAN-1 350Whr High Energy Density Battery Matrix is a 1U-sized power bank module built from 7 battery arrays designed to provide the highest energy capacity and…

Manufacturer	EXA
Lead time	6 to 8 weeks

price on request

Glavkosmos

RUSSIA · 1985 · 7 PRODUCTS

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

GLAVKOSMOS

ARC Regulation and Control Equipment for Manned and Cargo Spacecraft

The ARC Regulation and Control Equipment is a monoblock system designed for regulating and monitoring the power supply system of manned spacecraft, capable of operating in vacuum.

Purpose	Designed for manned spacecraft.
Year of release	2012
Design life	5 years
Lead time	18 months
Flight qualification of the product	No

price on request

GLAVKOSMOS

High-capacity Rechargeable Battery for Power Supply of Spacecraft and Ground Infrastructure

This is a high-capacity rechargeable battery designed for power supply applications in both spacecraft and ground infrastructure, offering a guaranteed service life of 5 years.

Year of release	2008
Design life	5 years
Lead time	4 months
Possibility to adapt the product to customer requirements	No
Capacity	90 Ah

price on request

GLAVKOSMOS

Nanosatellite Battery Array

The Nanosatellite Battery Array is a power storage solution for nanosatellites, featuring overcurrent, overcharge, and overdischarge protection.

Purpose	Battery array board designed to store power on nanosatellite.
Year of release	2016
Design life	1 year
Lead time	6 months
Flight qualification of the product	No

price on request

GLAVKOSMOS

Power Supply System [with battery unit]

A power supply system designed for satellite subsystems, featuring three independent charger units with MPPT, multiple output channels, and support for various solar panel types.

Purpose	Designed for power supply of satellite subsystems.
Year of release	2018
Design life	1 years
Lead time	2 months
Flight qualification of the product	Yes

price on request

GLAVKOSMOS

Rechargeable Battery for Power Supply of Spacecraft

This is a rechargeable battery designed for power supply of spacecraft, featuring a capacity of 90 Ah and a nominal voltage of 28.8 V.

Purpose	Power supply of spacecraft.
Year of release	1975
Design life	2 years
Lead time	4 months
Possibility to adapt the product to customer requirements	No

price on request

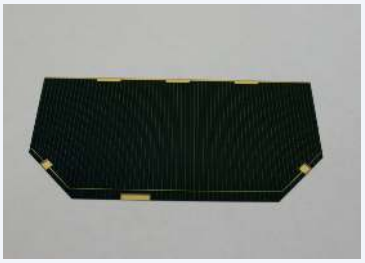
GLAVKOSMOS

Rechargeable Battery for Power Supply of Spacecraft and Ground Infrastructure

This is a rechargeable battery designed for power supply in both spacecraft and ground infrastructure, offering a capacity of 20 Ah and a nominal voltage of 23.8 V.

Year of release	2003
Design life	5 years
Lead time	4 months
Possibility to adapt the product to customer requirements	No
Capacity	20 Ah

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

DENMARK · 2007 · 2 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 1U–12U satellite platforms. GomSpace has one of t

GOMSPACE

NanoPower BP8 100 Wh

NanoPower BP8 100 Wh is a high-capacity lithium-ion battery pack engineered for space applications, offering reliable and efficient power storage for various space missions.

Nominal Wattage	100 Wh
Cell Type	18650 ion cells
Cell Capacity	3500 mAh (Nominal)
Nominal Voltage	28.8 V
Max Current Discharge	4 A

price on request datasheet

GOMSPACE

NanoPower BPX 100 Wh

The NanoPower BPX 100 Wh is a Lithium-ion battery pack with a built-in heater, designed for CubeSats to provide optimal power within a compact form factor.

Nominal Voltage	28.8 V
Nominal Wattage	100 Wh
Max Current Discharge	6 A
Dimensions	93 mm x 86 mm x 41 mm
Mass	Approximately 500 grams

price on request datasheet

ibeos

2013 · 5 PRODUCTS

Ibeos designs and manufactures satellite electronics, including processors, single board computers, and electric power subsystems, for LEO, GEO, and beyond missions.

IBEOS

50V Battery

Ibeos has completed the delivery of seven units of its new 50V, 1 kWhr battery, designed for missions requiring a radiation tolerant, highly mass-efficient, and reliable solution f

Voltage	50 V
Capacity	1 kWhr

price on request

IBEOS

B14-M45/M90 14V Modular SmallSat Battery

Radiation-tolerant 14V modular Li-ion SmallSat battery: 45 Whr single module (B14-M45) or 90 Whr dual module (B14-M90), 6.5A peak discharge, 30 kRad TID, TRL 9.

Configuration	B14-M45: 45 Whr (single); B14-M90: 90 Whr (dual module)
Nominal voltage	13.2–16.8 V
Max discharge rate	6.5 A
Recommended charge rate	1.6 A
Heater power	8 W @ 16 V

price on request

IBEOS

B28-135 28V SmallSat Battery

Radiation-tolerant 28V 135 Whr Li-ion SmallSat battery, 10A sustained discharge, 30 kRad TID, aluminum+PEEK chassis, 21-pin Micro-D connector, compatible with Ibeos E28-200 EPS.

Capacity	135 Whr
Supply voltage	22–33.6 V
Sustained discharge rate	10 A
Recommended charge rate	2.5 A
Heater power	20 W @ 28 V

price on request

IBEOS

B28-M275/550/825/1100 28V Modular Battery Series

Scalable 28V modular Li-ion battery series in 275, 550, 825, and 1100 Whr configurations, 20–80A peak discharge, 30 kRad TID, aluminum+PEEK chassis, TRL 9.

Configurations	B28-M275 (275 Whr), B28-M550 (550 Whr), B28-M825 (825 Whr), B28-M1100 (1100 Whr)
Operating voltage	24–33.6 V
Max discharge rate	20 A (275 Whr) to 80 A (1100 Whr)
Recommended charge rate	5 A (275 Whr) to 20 A (1100 Whr)
Mass range	2.1–7.8 kg

price on request

IBEOS

B50-412/825/1237 50V Modular Battery Series

Scalable 50V modular Li-ion battery series in 412, 825, and 1237 Whr configurations, 20–60A peak discharge, 30 kRad TID, aluminum+PEEK chassis, successor to B50-1000.

Configurations	B50-412 (412 Whr), B50-825 (825 Whr), B50-1237 (1237 Whr)
Operating voltage	36–50.4 V
Max discharge rate	20 A (412 Whr) to 60 A (1237 Whr)
Recommended charge rate	5 A (412 Whr) to 15 A (1237 Whr)
Mass range	3.0–8.8 kg

price on request

KULR Technology

UNITED STATES · 2 PRODUCTS

US energy and thermal management technology company delivering high-performance battery systems and thermal solutions for aerospace, defense, AI, robotics, and space applications.

KULR TECHNOLOGY

KULR ONE Space (K1S) Battery System

Flight-ready lithium-ion battery systems for spacecraft, CubeSats, and orbital vehicles — 100Wh to 400Wh series, passive propagation-resistant

KULR TECHNOLOGY

KULR Thermal Runaway Shield for Space

KULR Technology's carbon fiber thermal runaway shield protecting satellite battery packs — NASA Orion program-qualified containment system

safety architecture, NASA WI-37A scre

Energy configurations	100 Wh, 200 Wh, 300-LT, 400 Wh series
Cell qualification	NASA WI-37A screened lithium-ion cells
Safety architecture	Passive propagation resistance (flame-arresting)
Housing	Anodized-aluminum, space-rated connectors
Variants	K1S-REACH, K1S-Forerunner (NASA 20793 PPR-qualified), K1S-SPARTAN (radiation-hardened)

price on request

preventing cell-to-cell thermal propagati

Product	Thermal Runaway Shield (TRS) — cell-to-cell propagation containment
Material	Carbon fiber composite — absorbs and redirects thermal runaway energy
Flight heritage	NASA Orion MPCV (crew vehicle) program qualification
Also	Thermal interface materials (TIMs), phase-change energy storage
Nyse	KULR (publicly listed)

price on request

Lanzo Batteries

1 PRODUCT

Lanzo Batteries designs and manufactures lithium-ion battery packs for space energy storage, serving large satellites, small satellites, and CubeSats.

LANZO BATTERIES

High Energy Space Battery Cells

Lanzo Batteries' high-energy lithium-ion battery cells and pack assemblies for satellite power storage — targeting higher specific energy and cycle life for small satellite constel

Product	Li-ion battery cells and pack assemblies for space (small satellites)
Target energy	>200–250 Wh/kg specific energy (vs. 100–150 Wh/kg heritage space cells)
Includes	Cell monitoring electronics, protection circuits, structural housing
Market	Small satellite constellation operators (volume buyers)
Qualification	Radiation tolerance, vibration, cycle life testing for satellite mission assurance

price on request

Max Joule

ESTONIA · 3 PRODUCTS

Max Joule Tech develops high-energy battery systems for space exploration, Arctic expeditions, and unmanned aerial vehicles.

MAX JOULE

Arctic

Battery system engineered to reliably operate in extreme cold for Arctic expeditions.

price on request

MAX JOULE

Nova

High-energy battery system engineered for space exploration missions.

price on request

MAX JOULE

Phoenix

Lightweight, high-energy battery system for unmanned aerial vehicles.

price on request

Pumpkin, Inc.

UNITED STATES · 1995 · 2 PRODUCTS

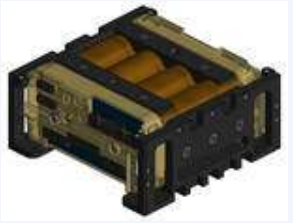
San Francisco-based manufacturer of flight-proven CubeSat kits, SUPERNOVA nanosatellite buses, and spacecraft power/electronics components, with over 150 kits delivered and dozens of successful space missions since 2003.

PUMPKIN, INC.

Intelligent Lithium Battery Module (BM2)

Space-grade 8-cell Li-Ion battery module with coulomb-counting SoC, cell balancing, configurable voltage (2S4P/3S2P/4S2P), and 15A max output — up to 100Wh.

Cell type	8× 18650-size Li-Ion
Configuration options	2S4P (8.4 V), 3S2P (12.6 V), 4S2P (16.8 V)
Capacity options	72 Wh / 86 Wh / 100 Wh



PUMPKIN, INC.

Intelligent Protected Lithium Battery Module with SoC Reporting (BM2)

Pumpkin's flight-qualified, protected lithium-ion battery module (BM2) with state-of-charge reporting, configurable cell topology and capacity, for CubeSats and small satellites.

Battery configuration option 2s4p	8 cells, 5.2-8.4 V
Battery configuration option 3s2p	6 cells, 7.8-12.6 V
Battery configuration option 4s2p	8 cells, 10.4-16.8 V

Max continuous output	15 A
Peak output power	160 W

$10 500 datasheet

Cell capacity option 1	2500 mAh (72 Wh with 8 cells)
Cell capacity option 2	3000 mAh (86 Wh with 8 cells)

$10 500 – $12 500 datasheet

Saft

FRANCE · 6 PRODUCTS

Saft is a world-leading manufacturer of advanced technology batteries for space, defence, aviation, and industrial applications.

SAFT

4S1P VES16 Battery

Compact 64 Wh / 4.5 Ah space lithium-ion battery for microsatellites and nanosatellites in LEO and small GEO orbits.

Chemistry	Li-ion
Cell configuration	4S1P
Capacity	4.5 Ah
Nominal energy	64 Wh
Pack voltage range	13.2 – 16.4 V

price on request

SAFT

MP & VL Batteries for Launchers

Launcher-qualified prismatic MP and cylindrical VL rechargeable lithium-ion batteries for space launch vehicles.

Chemistry	Li-ion
Cell formats	Prismatic (MP), Cylindrical (VL)
Vl power variants	Power (P), Very High Power (U)
Charge temperature range	-20 to +60°C
Discharge temperature range	-50 to +60°C

price on request

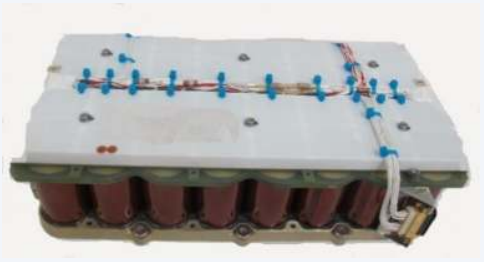
SAFT

VES16 11S16P Battery

High-capacity 11,264 Wh / 288 Ah space lithium-ion battery for large satellite platforms.

Chemistry	Li-ion
Cell configuration	11S16P
Capacity	288 Ah
Nominal energy	11,264 Wh
Pack voltage range	29.7 – 45.1 V

price on request



SAFT

VES16 8S4P Battery

512 Wh / 18 Ah space lithium-ion battery in 8-series 4-parallel configuration for LEO and small GEO satellites.

Chemistry	Li-ion
Cell configuration	8S4P
Capacity	18 Ah
Nominal energy	512 Wh
Pack voltage range	25.0 – 32.8 V

price on request

SAFT

VES16 Cell

Space-qualified D-size 16 Wh lithium-ion cell designed for LEO and GEO satellite applications.

Chemistry	Li-ion NCA
Nominal capacity	4.5 Ah
Nominal energy	16 Wh
Specific energy	> 155 Wh/kg
Voltage range	2.7 – 4.1 V

price on request

SAFT

VL51ES Li-Ion Battery for GEO and MEO

High-power space battery based on Saft VL51ES Li-ion cells, specifically designed for GEO and MEO spacecraft applications requiring sustained high discharge rates.

Cell type	VL51ES Li-ion cylindrical cell
Application	GEO and MEO spacecraft
Performance type	High power
Mission profile	Up to 72-min eclipses at GEO; MEO radiation environment
Design lifetime	> 15 years (GEO class)

price on request

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 satellite core components in Chongqing with an annual

SHENZHEN MAGICCUBESAT TECHNOLOGY (MCS)

Lithium-Ion Battery Pack

Standardised lithium-ion battery pack for small satellite power systems.

Chemistry	Lithium-ion
Application	Low-orbit small satellites

price on request

Space Inventor ApS

DENMARK · 2015 · 1 PRODUCT

Space Inventor ApS is a Danish second-generation NewSpace company providing non-ITAR CubeSat, nanosat, and microsat components, platforms, and turnkey satellite missions with full vertical integration, headquartered in Aalborg with offices

SPACE INVENTOR APS

BAT module

The BAT module is a Lithium-Ion battery available in 4-cell (14.4V) and 8-cell (28.8V) versions, designed for extended lifetime and easy integration in CubeSats and microsatellites

Nominal voltage (4-cell variant)	14.4 V
Nominal voltage (8-cell variant)	28.8 V
Technology	Lithium-Ion
Capacity (single module)	100 Wh

price on request

SPUTNIX

RUSSIA · 2011 · 3 PRODUCTS

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

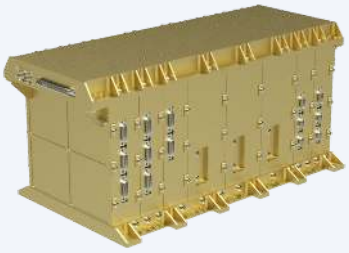
SPUTNIX

Power supply system (with battery unit)

A two-module CubeSat EPS (SXC-PSS-03) consisting of a power system controller (SXC-PSU-03) and battery module (SXC-BAT-03) for solar power collection, storage, and distribution.

Sxc-psu-03 dimensions	98.4 x 96 x 19 mm (±0.2 mm)
Sxc-psu-03 mass	20 ± 2 g
Solar panels channels	3
Solar panel type	GaAs, Si
Solar panel voltage	3.5..5.5 V

price on request



SPUTNIX

Regulation and control equipment

The EPS regulation and control equipment (RCE) that manages battery charging/discharging and power distribution together with solar and storage batteries.

Dimensions	306 x 161 x 140 (without fasteners) mm
Mass	7 kg
Power voltage	22-34 V
Power consumption, wt	10
Duplicated interfaces	CAN2B, RS485, SpaceWire

price on request

SPUTNIX

SXC-PSS-03 Electrical Power System (with Battery Pack)

Electrical power system (EPS) managing satellite power from the SXC-BAT-03 battery pack and up to 14 solar panels. Includes battery heating channels, Remove-Before-Flight inhibits

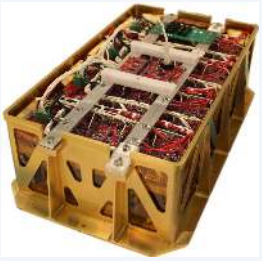
Type	EPS (power conditioning unit + battery pack)
Pcu dimensions	96 × 89 × 14 mm
Solar panel channels	3 (GaAs / Si), up to 3000 mA total
Supply voltage	8 V (from panels) / 6.0–8.4 V (from battery)
Output channels	4, up to 5000 mA total

price on request

Stellar Exploration, Inc.

UNITED STATES · 1 PRODUCT

Affordable hardware development for miniaturized aerospace systems, with a proven flight-heritage track record in nanosatellite power, propulsion and RF tracking subsystems.



STELLAR EXPLORATION, INC.

Nanosatellite Power Subsystem

High-current, long-life lithium-ion nanosatellite battery and power management subsystem with flight heritage on 24+ satellites.

Peak power	Up to 5 kW for 90 seconds per orbit
Specific peak power	Up to 500 W/kg
Design life	>3 years (projected)
Flight heritage	>24 units launched 2018-2021
Lead time	4-6 months

price on request datasheet

Umbra Lab Inc.

UNITED STATES · 2015 · 1 PRODUCT

Commercial SAR satellite constellation delivering high-resolution radar imagery under any conditions for defense and commercial use.

UMBRA LAB INC.

Umbra Battery Module (8S1P/8S2P)

Flight-proven lithium-ion battery module for small satellites, available in 8S1P (125 Wh) and 8S2P (250 Wh) configurations.

Battery voltage range	22 V to 31 V
Battery voltage nominal	28 V
Chemistry	Lithium Ion
Nameplate energy capacity (8S1P)	125 Wh (4.25 Ah)
Nameplate energy capacity (8S2P)	250 Wh (8.5 Ah)

price on request datasheet

ZeroG Lab

CHINA · 2016 · 1 PRODUCT

ZeroG Lab (Zero Gravity Lab) develops integrated satellite systems and space-based intelligence solutions for government and enterprise customers. The company works across the full chain: satellite platforms and payloads, onboard systems, E

ZEROG LAB

Satellite Power Systems

High-efficiency power modules with solar and battery technology and adaptive regulation.

price on request

DIRECTORY

Manufacturers in this sector

AAC Clyde Space

Sweden · 1999 · 1 product

AAC Clyde Space provides small satellite technologies and space-based data services, offering end-to-end solutions from satellite components to data analytics for various applications.

Airbus Defence and Space

France · 2014 · 1 product

Airbus Defence and Space designs and manufactures satellites, spacecraft equipment, and provides related services for telecommunications, navigation, Earth observation, and space exploration

Argotec Srl

Italy · 2008 · 2 products

Argotec is an Italian spacecraft manufacturer that designed and operates the ArgoMoon CubeSat and develops satellite platforms and subsystems for ESA and commercial missions.

Berlin Space Technologies

Germany · 2010 · 1 product

Berlin Space Technologies (BST) designs and mass manufactures small satellite systems and technologies, providing end-to-end solutions for space missions.

Blue Canyon Technologies

United States · 2008 · 1 product

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

CNNC Space (China National Nuclear Corp Space)

China · 1955 · 1 product

Chinese state-owned nuclear enterprise founded 1955 in Beijing overseeing civilian nuclear power, fuel production, and uranium mining; uses satellite remote sensing for exploration and resea

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

Dragonfly Aerospace

South Africa · 2019 · 1 product

South African manufacturer of high-performance electro-optical imaging payloads and satellite platforms for Earth observation.

EnerSys / ABSL Space Products

United Kingdom · 2000 · 7 products

Global leader in stored energy solutions — ABSL Space Products division delivers lithium-ion battery systems for spacecraft, used on Rosetta, Cassini, and numerous ESA missions.

Ensign-Bickford Aerospace & Defense (EBAD)

United States · 3 products

US manufacturer of non-explosive actuators (TiNi FrangiBolt, pin pullers, ejectors) and energetic hold-down and release systems.

EXA (Ecuadorian Space Agency)

Ecuador · 2007 · 2 products

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

Glavkosmos

Russia · 1985 · 7 products

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

GomSpace

Denmark · 2007 · 2 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

ibeos

2013 · 5 products

Ibeos designs and manufactures satellite electronics, including processors, single board computers, and electric power subsystems, for LEO, GEO, and beyond missions.

KULR Technology

United States · 2 products

US energy and thermal management technology company delivering high-performance battery systems and thermal solutions for aerospace, defense, AI, robotics, and space applications.

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1 product

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Estonia · 3 products

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