

NEWSPACE MARKET · COMPANY PROFILE



NPC Spacemind

founded 2013 · npcspacemind.com

40

PRODUCTS

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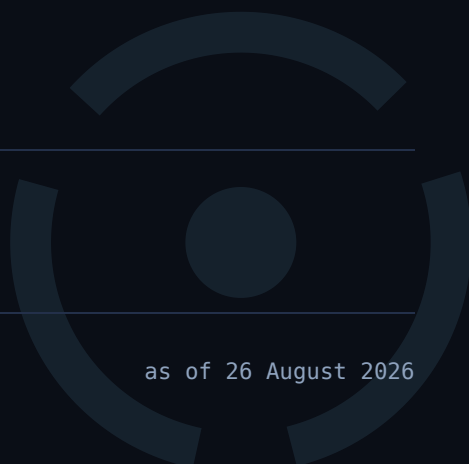
SERVICES

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WITH DATASHEETS

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as of 26 August 2026



NPC Spacemind

NPC Spacemind designs and manufactures advanced CubeSat separation systems and a family of CubeSat deployers. The company also offers a range of modular and customizable CubeSat subsystems, including structures, solar panels, power systems, and testing units. Additionally, it produces ARTICA, a compact deorbiting system compatible with the CubeSat format. NPC Spacemind provides complete, end-to-end solutions for nanosatellites, CubeSats, and space-related applications, offering hardware, platforms, and mission support. The company focuses on delivering reliable, cost-effective, and scalable systems. NPC Spacemind is the Space division of NPC and operates as a solution provider in the New Space Economy, turning research into commercial products and services. The products are designed for seamless integration and full compliance with CubeSat standards. The company aims to reduce orbit lifetime to comply with international deorbiting regulations. It has been involved in research and development in the aerospace sector since 2013.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

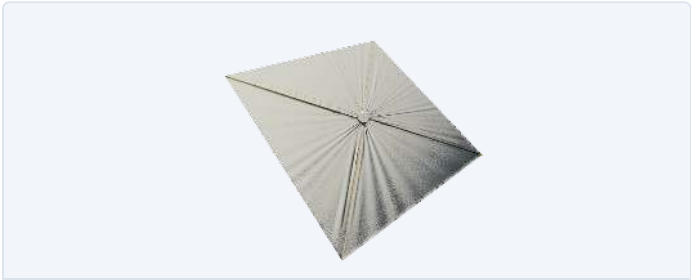
SERVICES

Services

Mission Support

We offer comprehensive mission support for nanosatellites and CubeSats, assisting customers from their first mission to scaling up operations.

Product catalogue



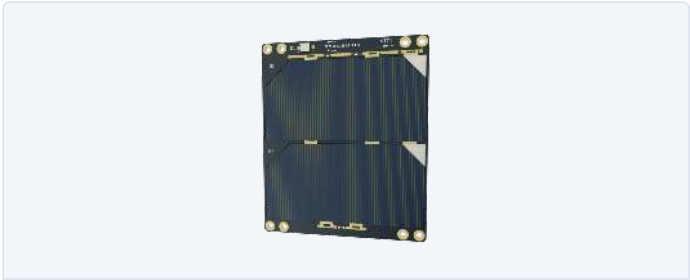
NPC SPACEMIND

ARTICA

ARTICA is a deorbiting subsystem compatible with CubeSats up to 16U, offering low mass, high reliability, and ease of integration.

Compatible with CubeSats	up to 16U
Volume	0.35U
Mass	210 g
Sail Surface	Up to 2.1 m²
De-Orbiting time	less than 5 years at 650 km
Connector	Micro-DSUB 9
Voltage Bus	3-12 V upon customization

price on request [datasheet](#)

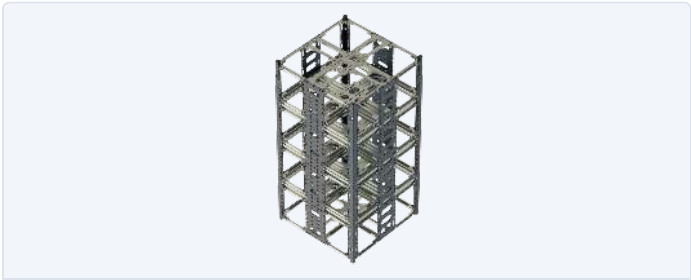


NPC SPACEMIND

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

Cubesat Structures

SM CubeSat structure is a family of CubeSat structures (1U-2U-3U-6U-8U-12U-16U) designed by NPC SPACEMIND in order to provide a modular and flexible solution for nanosatellite appl

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
D-sp6x-l-2w	6U-class lateral, double wing
D-sp8x-v	8U/16U-class vertical deployment

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
Max power current	1 - 1.04 A
Max power voltage	18.4 - 20 V

[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
Max power voltage	23 - 25 V
Open circuit voltage	26 - 27.5 V

[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
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[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

GEMINI - CUBESAT EPS

GEMINI is SPACEMIND's Electrical Power System designed for CubeSats missions, featuring an integrated battery pack module with customizable input and output channels.

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



NPC SPACEMIND

GEMINI EPS

Modular Electrical Power System for 3U to 16U CubeSat platforms, supporting up to 8 parallel battery packs and multiple programmable output voltages.

Platform compatibility	3U - 16U Cubesat platforms
Input channels	6 Input channel - voltage per channel 5 to 20 V
Battery packs	Up to 8 parallel battery packs
Battery pack capacity	84 Wh for 8 cells (per unit)
Output bus	Programmable Output Bus 3.3 V-5V-6/12 V-24V
Protection	Full protection (OV, OC, OP); Configurable interfaces
EPS mass	300 g

[price on request](#)



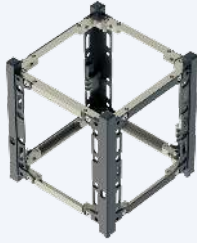
NPC SPACEMIND

SM CubeSat Structures

Modular CubeSat structure family from 1U to 16U with configurable board stacks and deployment switches.

Sm01 dimensions (w/o kill switches)	113.5 x 100.0 x 100.0 mm, 1U, up to 6 deployment switches
Sm02 dimensions (w/o kill switches)	227.0 x 100.0 x 100.0 mm, 2U, up to 8 deployment switches
Sm03 dimensions (w/o kill switches)	340.5 x 100.0 x 100.0 mm, 3U, up to 8 deployment switches
Sm04 dimensions (w/o kill switches)	454.0 x 100.0 x 100.0 mm, 4U, up to 8 deployment switches
Sm06 dimensions (w/o kill switches)	340.5 x 226.3 x 100.0 mm, 6U, up to 8 deployment switches
Sm08 dimensions (w/o kill switches)	454.0 x 226.3 x 100.0 mm, 8U, up to 8 deployment switches, horizontal/vertical stack
Sm12 dimensions (w/o kill switches)	340.5 x 226.3 x 226.3 mm, 12U, up to 8 deployment switches, horizontal/vertical stack

[price on request](#)



NPC SPACEMIND SM01

The SM01 is a 1U CubeSat structure designed for small satellite missions, featuring configurable board stacks and compatibility with various solar panels.

Structure size	1U CubeSat
Deployment switches	Until 6
Measures (without KS)	113.5 x 100.00 x 100.0 mm
Compatibility	SPM Solar Panels and multiple vendor panels
Board compatibility	PC104 Compatibility / PC104 PLUS Compatibility
Structural reinforcement	Helicoil insert
Kill switches	Until 4 Stand-off Kill Switches + Until 2 Rail Switches

price on request



NPC SPACEMIND SM02

The SM02 is a 2U CubeSat structure designed for small satellite missions, featuring configurable board stacks, multiple deployment switches, and compatibility with PC104/PC104 PLUS

Form factor	2U Cubesat Structure
Deployment switches	Until 8
Board stacks	Configurable
Measures (without KS)	227.0 x 100.0 x 100.0 mm
PCB stack assembly	Independent from the structure
Solar panel compatibility	SPM Solar Panels and multiple vendor panels
Compatibility	PC104 Compatibility / PC104 PLUS Compatibility

price on request



NPC SPACEMIND SM03

The SM03 is a 3U CubeSat structure designed for small satellite missions, offering configurable board stacks and compatibility with various solar panels.

Structure	3U CubeSat Structure
Deployment switches	Until 8
Board stacks	Configurable
Stack assembly	Horizontal and vertical
Measures (without KS)	340.5 x 100.0 x 100.0 mm
PCB stack assembly	Independent from the structure
Solar panel compatibility	SPM Solar Panels and multiple vendor panels

price on request



NPC SPACEMIND SM04

The SM04 is a 4U CubeSat structure designed for small satellite missions, featuring configurable board stacks and compatibility with PC104/PC104 PLUS standards.

CUBESAT structure	4U
Deployment switches	Until 8
Board stacks	Configurable
Stack assembly	Horizontal and vertical
Measures (without KS)	454 x 100.0 x 100.0 mm
PCB stack assembly	Independent from the structure
Solar panel compatibility	SPM Solar Panels and multiple vendor panels

price on request



NPC SPACEMIND

SM06

The SM06 is a 6U CubeSat structure designed for small satellite missions, featuring configurable board stacks and compatibility with various solar panels.

CUBESAT structure	6U
Deployment switches	Until 8
Board stacks	Configurable
Stack assembly	Horizontal and vertical
Measures (without KS)	340.5 x 226.3 x 100.0 mm
PCB stack assembly	Independent from the structure
Solar panel compatibility	SPM Solar Panels and multiple vendor panels

price on request



NPC SPACEMIND

SM08

The SM08 is an 8U CubeSat structure designed for small satellite missions, featuring configurable board stacks and compatibility with various solar panels.

CUBESAT structure	8U
Deployment switches	Until 8
Board stacks	Configurable
Stack assembly	Horizontal and vertical
Measures (without KS)	454.0 x 226.3 x 100.0 mm
PCB stack assembly	Independent from the structure
Solar panel compatibility	SPM Solar Panels and multiple vendor panels

price on request



NPC SPACEMIND

SM12

The SM12 is a 12U CubeSat structure designed for small satellite missions, offering configurable board stacks and compatibility with various solar panels.

CUBESAT structure	12U
Deployment switches	Until 8
Board stacks	Configurable
Stack assembly	Horizontal and vertical
Measures (without KS)	340.5 x 226.3 x 226.3 mm
PCB stack assembly	Independent from the structure
Solar panel compatibility	SPM Solar Panels and multiple vendor panels

price on request [datasheet](#)



NPC SPACEMIND

SM16

The SM16 is a 16U CubeSat structure designed for satellite integration, featuring configurable board stacks, PC104/PC104 PLUS compatibility, and options for various deployment swit

CUBESAT structure size	16U
Deployment switches	Until 8
Board stacks	Configurable
Stack assembly	Horizontal and vertical
Measures (without KS)	454.0 x 226.3 x 226.3 mm
PCB stack assembly	Independent from the structure
Solar panel compatibility	SPM Solar Panels and multiple vendor panels

price on request



NPC SPACEMIND SMPOD03-NOIR

The SMPOD03-NOIR is a robust and lightweight CubeSat deployer designed for secure and reliable deployment of 1U, 2U, and 3U CubeSats.

Payload firmly secured	Inside the deployer to prevent rattling during launch
Actuation system	Redundant fail-safe NEA actuation system
Telemetry feedback	Redundant feedback system for deployment confirmation signals
Integration	Smooth and quick resetting
Materials	Aluminum and carbon fiber for optimized weight
Launchers compatible	Compliance with most of the launchers
Clamping	Newly designed single rail mechanism

price on request

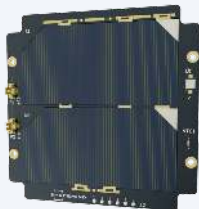


NPC SPACEMIND SMPOD16-C

SMPOD16-C is a configurable CubeSat deployer capable of hosting up to 4 CubeSats in standard and XL dimensions, featuring redundant fail-safe actuation and telemetry feedback for r

Robustness	Payload firmly secured inside the deployer to prevent rattling during launch
Actuation safety	Redundant fail-safe NEA actuation system
Telemetry feedback	Redundant feedback system for deployment confirmation signals
Integration	Smooth integration and quick resetting
Clearances	Widest clearances on the market
Materials	Aluminum and carbon fiber for optimized weight
Launcher compatibility	Compliance with most of the launchers

price on request

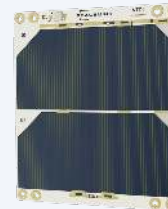


NPC SPACEMIND SP Body-Mounted Solar Panels

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
Sp4x	4U side panel
Sp4z	4U zenith panel variant

price on request

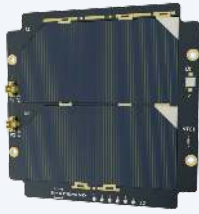


NPC SPACEMIND SP1X

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 determi

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
Current max power	500-520 mA
Voltage max power	4.6-5 V

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
Current max power	500-520 mA
Voltage max power	4.6-5 V

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 temper

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
Current max power	500-520 mA
Voltage max power	16-17.5 V

price on request

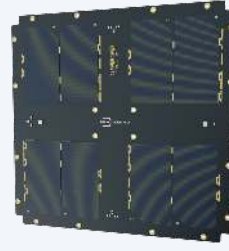


NPC SPACEMIND SP4X

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](#)

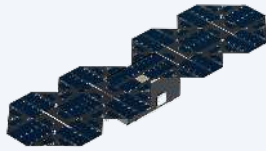


NPC SPACEMIND SP8X

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
Current max power	1-1.04 A
Voltage max power	23-25 V

[price on request](#)



NPC SPACEMIND
TEPHRA-TESEL

TEPHRA-TESEL is a versatile CubeSat platform offering a 9.6U payload volume and robust power capabilities for various space missions.

Payload volume	9.6U
Payload mass	20 kg
Average Payload Power	135 W
Peak Power	170 W
Absolute Pointing Error	0.1° - 0.03°
Absolute Knowledge Error	≤0.04°
Downlink Data Rate	Up to 100 Mbps

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



NPC SPACEMIND
TP04

The TP04 is a test platform compatible with CubeSats up to 4U, featuring a clamping mechanism representative of SMPOD Deployers for easy integration and re-usability.

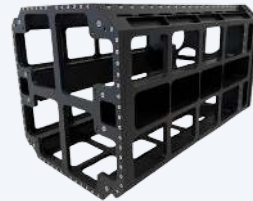
[price on request](#) [datasheet](#)



NPC SPACEMIND
TP08

The TP08 is a versatile test platform compatible with CubeSats ranging from 6U to 8U, designed for rigorous testing in demanding launcher environments.

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



NPC SPACEMIND
TP16

The TP16 is a 16U TestPod designed for the qualification and acceptance testing of 16U and 12U Standard CubeSats.

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

Contact NPC Spacemind

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

<https://newspacemarket.com/companies/npc-spacemind/>

<https://www.npcspacemind.com>

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