

NEWSPACE MARKET · COMPANY PROFILE



ibeos

founded 2013 · ibeos.com

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as of 26 August 2026

ibeos

Ibeos designs and manufactures satellite electronics for LEO, GEO, and beyond missions. The company offers computing products, including the EDGE-1100 processor, which provides over 1 TFLOPS of processing power in a radiation tolerant, 3U SpaceVPX form factor, and the CORE-250 Single Board Computer (SBC), a radiation hardened, high performance computing platform featuring the NASA Sponsored High Performance Space Computer Processor. Ibeos also provides Electric Power Subsystems (EPS) for CubeSats (150-Watt or 200-Watt options) and batteries (50V / 1 kWhr and 28V / 135 Whr). The company focuses on providing high quality subsystems at an affordable cost to small satellite builders and operators, with a background in electronics design for geosynchronous and long-life missions. Ibeos' customers include major electronics suppliers for defense and aerospace applications, prime contractors, government agencies, satellite manufacturers, and private equity. The company was founded in 2013 and operates a manufacturing and testing facility equipped with a thermal vacuum chamber, thermal chambers for cycling, burn-in fixtures, and manufacturing equipment. Ibeos was formerly known as Cubic Aerospace.

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

Custom Solutions

Ibeos provides custom solutions for spacecraft developers and mission providers with unique mission needs, including customization of existing products, clean-sheet electronics designs, and spacecraft

Existing Product Customization

Ibeos can propose modified products or tailored solutions for existing standard products to fit exact mission needs, including adjustments to component size/weight/power, protection circuitry, and rad

New Product Design

Ibeos offers full turnkey solutions or a subset of design and delivery tasks for customers with unique electronics needs, including requirements generation, design, analysis, prototype, test, and manu

Subsystem/Mission Design & Analysis

Ibeos offers electrical and systems engineering services for spacecraft, including power and command and data handling subsystem review, radiation susceptibility review, and spacecraft energy balance

Product catalogue



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
Dimensions (single)	94.5 x 84.1 x 23.1 mm
Mass (single)	<375 g

flight proven · TRL 9 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
Dimensions	94.5 x 88.7 x 51 mm
Mass	<850 g

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
Cross-section	147 x 90 mm
Length range	150–465 mm

flight proven · TRL 9 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
Cross-section	147 x 90 mm
Length range	185–515 mm

price on request

IBEOS

E14-150 14V SmallSat Electric Power System

150W radiation-tolerant 14V SmallSat EPS with peak-power tracking, 96% solar array efficiency, 3.3V/5V/12V regulated buses, 10x switched outputs, I2C/SPI telemetry, 30 kRad TID, TR

Max solar array input	>150W (18–42V input)
S/a conversion efficiency	96%
3.3v output	3 A (92% efficiency)
5v output	6 A (93% efficiency)
12v output	4 A (95% efficiency)
Unregulated 14v bus	10 A
Max charge voltage	16.8 V

flight proven · TRL 9 price on request

IBEOS

E28-200 28V SmallSat Electric Power System

250W radiation-tolerant 28V SmallSat EPS with peak-power tracking, 96% solar array efficiency, 3.3V/5V/12V/28V buses, 10x switched outputs, RS-422/485/I2C/SPI, 30 kRad TID, TRL 9.

Max solar array input	>250W (14–34V input)
S/a conversion efficiency	96%
3.3v output	3 A (92% efficiency)
5v output	6 A (93% efficiency)
12v output	4 A (95% efficiency)
Unregulated 28v bus	10 A
Max charge voltage	33.6 V

flight proven · TRL 9 price on request



IBEOS

EDGE-1100

The EDGE-1100 is a radiation-tolerant payload processor built on AMD Ryzen technology, offering impressive processing power and versatility for space missions.

Processing Power	1.1 TFL0PS (2 TFL0PS single precision)
CPU	Quad-core, 8-threaded x86
GPU Cores	512
Form Factor	3U SpaceVPX

price on request



IBEOS

Ibeos Modular Power System (MPS)

The Ibeos Modular Power System (MPS) is a scalable power subsystem capable of delivering 500 to 2,000 Watts of power with high conversion efficiency.

Power Output	500 - 2,000 Watts
Power Conversion Efficiency	Up to 98%
TRL	9

flight proven • TRL 9 price on request

Contact ibeos

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.

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