

Lightning Power Systems ⚡

with Lightning Hold Technology

Lite Lightning Power System ⚡

Essential power. Embedded Intelligence. Built-in backup

PC/104 Stack Stack Solution

The Lite Lightning Power System is a compact, single-voltage solution designed for edge devices, remote platforms and lower-powered embedded systems.

Designed to reduce complexity and maximize reliability, the Lite Lightning Power System offers integrated UPS capabilities in a cable-free, stackable small form factor (PC/104 footprint).

This Lite system is ready for deployment where simplicity and resilience matter most.

Available in 5V or 12V output configurations.

Ordering Information

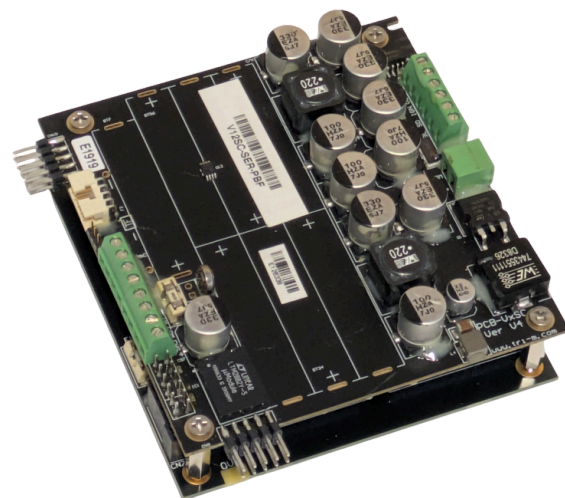
V5-TBP4K50-SYS

5V output, 500 joules (Example: 50sec holdup @ 10W)

V12-TBP4K50-SYS

12V output, 500 joules (Example: 50sec holdup @ 10W)

Applications Examples: Drone (UAV, UUV, UGV, RPA), Sensors, Marine, Handheld Devices



Power Delivery

- 35W single regulated output with 9-40V input range
- The V12-TBP4K50-SYS can be powered from a solar panel or from a vehicle power source.

Environmental Performance

- Operating Temp -40°C to +85°C
- Vibration/Shock: MIL-STD 810 hardened

Intelligence

- Ignition control
- external temperature sensors
- system shutdown logic,
- I2C and RS232 reporting

Lightning Hold Performance

- Cycle Life: >500,000 charge/discharge cycles.
- 500 joules of ultracapacitor backup energy



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