

# Lightning Power Systems ⚡

## with Lightning Hold Technology

### Super Lightning Power System ⚡

*Smart power. Scaled backup. Seamless integration*

#### PC/104 Stack Solution

The Super Lightning Power System combines Tri-M's high-performance HPSC104-SER power supply paired with ultracapacitor based reserve, offering intelligent embedded power with fast-response in a small form factor (PC/104) footprint.

Designed for harsh embedded environments, the HPSC104-SER provides the reliability you need with support for ignition control and system coordination. Engineered for high reliability and space-constrained builds.

The Super Lightning Power System offers embedded intelligence, system resilience and integration-ready design, without custom engineering.

#### Ordering Information:

##### HPSC104-SER-TBP44KO-SYS:

4000 joules (Example: 60 sec holdup @ 50W)

##### HPSC104-SER-TBP42KO-SYS:

2000 joules (Example: 60 sec holdup @ 25W)

**Applications:** Military, Aerospace, Mining, Rail, Remote, Agricultural, Industrial.



#### Power Delivery

- 5V, 12V, -5V, -12V and 5VSTBY continuous regulated outputs with dual-input source management.

#### Environmental Performance

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

#### Intelligence

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

#### Lightning Hold Performance

- Cycle Life: >500,000 charge/discharge cycles.
- 2,000 or 4,000 joules of ultracapacitor backup energy



Authorized Distributor

[wdsystems.com](http://wdsystems.com)

[sales@wdsystems.com](mailto:sales@wdsystems.com)

800-548-2319

919-545-2500

220 Chatham Business Drive  
Pittsboro, NC 27312