

PSL-BT-12500

PSL-BT - Lithium Bluetooth PSL-BT Series

Lithium Bluetooth batteries that combine long cycle life with smart Bluetooth connectivity. Lightweight designs deliver dependable power while allowing you to remotely monitor status, track health, and control operation. Ideal for RVs, marine, solar energy systems, and other applications where real-time visibility and control are essential.



Engineering Drawing

L: 7.72in (196.0mm)

W: 6.5in (165.0mm)

H: 6.85in (174.0mm)

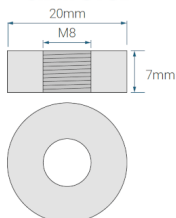
HT: 6.85in (174.0mm)

+/- 0.04 in. (+/- 1mm) for length and width +/- 0.08 in. (+/- 2mm) for height dimensions.

Available Terminals

1

**T11 THREADED INSERT
- 8mm STUD**



Features

- Bluetooth Communication
- BMS Optimization
- Lightweight Lithium
- Lithium 2X Power
- Lithium 40% Lighter
- Lithium Cycle Life
- Lithium Maintenance Free
- Lithium Powersport Performance
- Lithium Safety
- Not For Starting

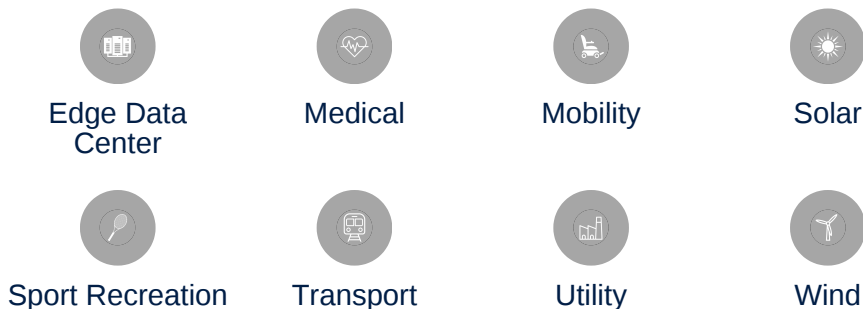
Performance Specs

Nominal Voltage	12.8V
Nominal Capacity	50.0Ah
20-hr Rate	50.0Ah
10-hr Rate	50.0Ah
Weight	6.8kg
Internal Resistance	20.0 milliohms
Max Discharge Current	50.0A
Charge Temp Range	32°F (0°C) to 113°F (45°C)
Discharge Temp Range	14°F (-10°C) to 140°F (60°C)
Case Material	ABS Plastic

Available options

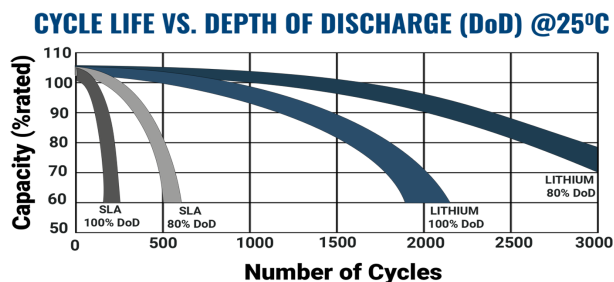
- PSL-BT-12500 M8
- PSL-BT-12500 M8
- PSL-BT-12500 M8
- PSL-BT-12500 M8

Applications

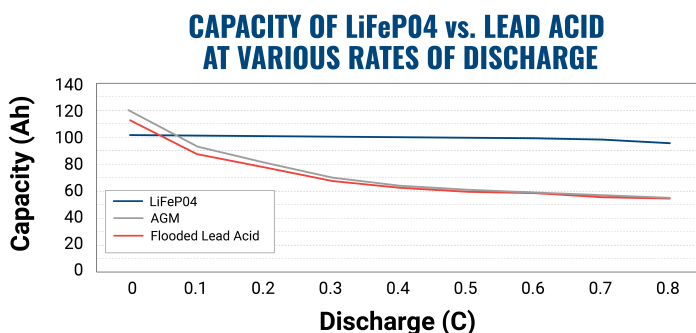


Graphs

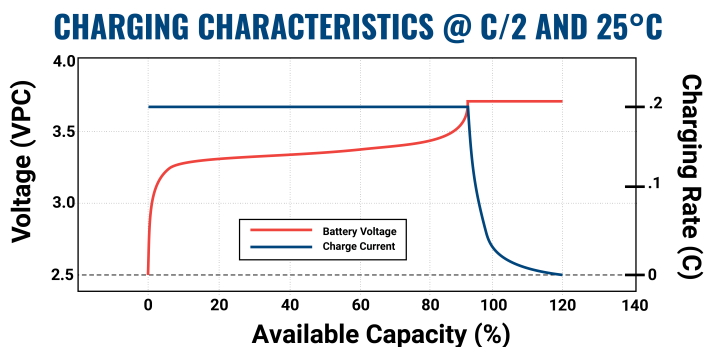
1. Cycle Life Lithium vs. SLA



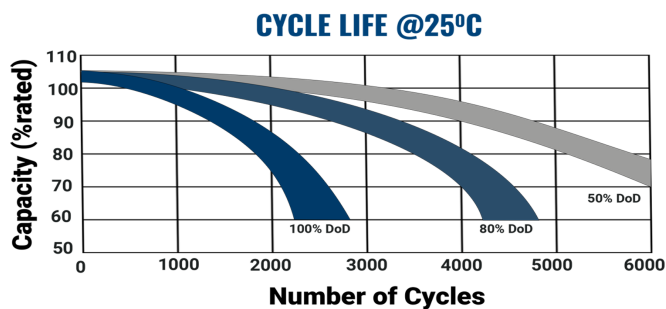
2. Discharge Rates Lithium vs. SLA



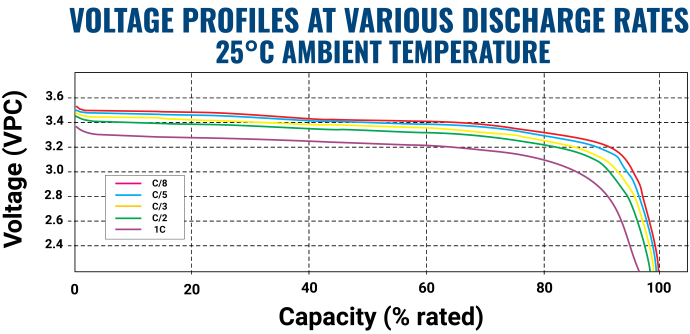
3. Lithium Charging



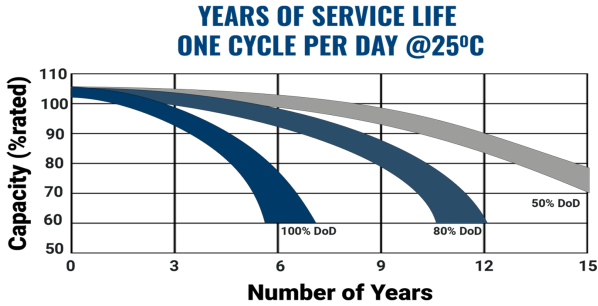
4. Lithium Cycle Life



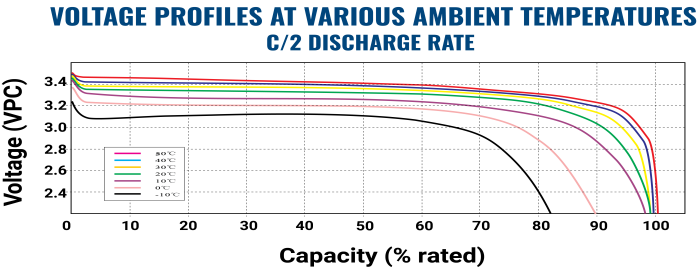
5. Lithium Discharge Rates



6. Lithium Service Life



7. Lithium Temperature Discharge



Lithium Protections

Condition	Nominal Voltage	Delay	Release
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Charging

- Cycle Applications: Apply constant voltage charge at 3.60VPC – 3.65VPC (14.4 to 14.6 volts for 12V Monobloc) at 20°C. The initial charging current should be set at less than C/4 Amps. Terminate the charge when the current falls to a 3% capacity rate to avoid overcharging. Stand-By or "Float" Service: Apply constant voltage charge of 3.35VPC – 3.45VPC (13.4 to 13.8 volts for 12V Monobloc) at 20°C. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition. For further charging and maintenance information see the lithium resource center on Power-Sonic.com.

Approvals

