

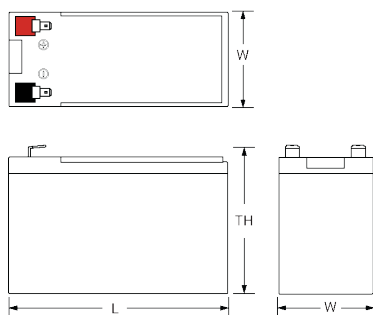
PSL-BT-1290

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: 5.94in (151.0mm)
W: 2.56in (65.0mm)
H: 3.74in (95.0mm)
HT: 3.74in (95.0mm)

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

Available Terminals

1



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

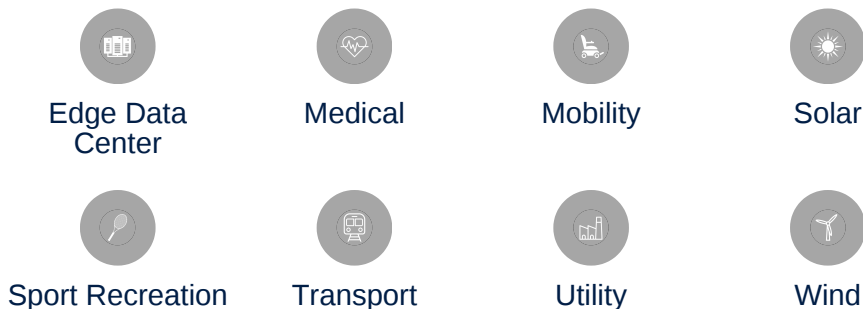
Performance Specs

Nominal Voltage	12.8V
Nominal Capacity	9.0Ah
20-hr Rate	9.0Ah
10-hr Rate	9.0Ah
Weight	1.2kg
Internal Resistance	80.0 milliohms
Max Discharge Current	10.0A
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 Rated to UL94:HB

Available options

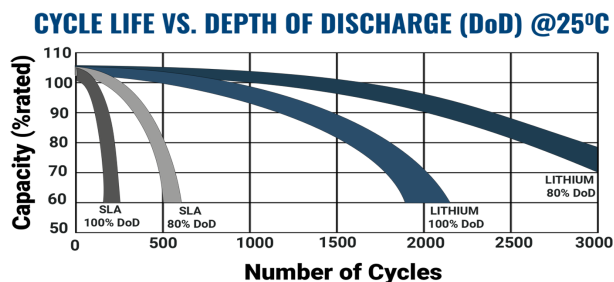
- PSL-BT-1290 F2
- PSL-BT-1290 F2
- PSL-BT-1290 F2

Applications

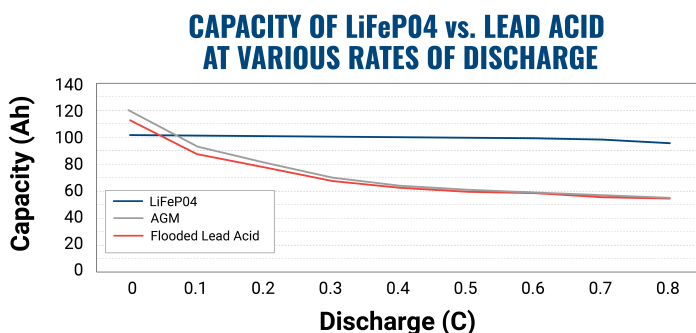


Graphs

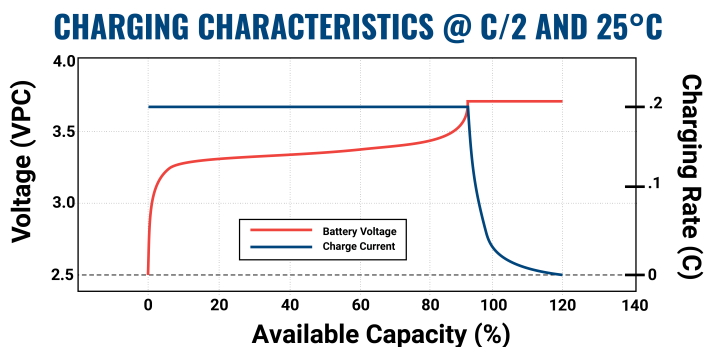
1. Cycle Life Lithium vs. SLA



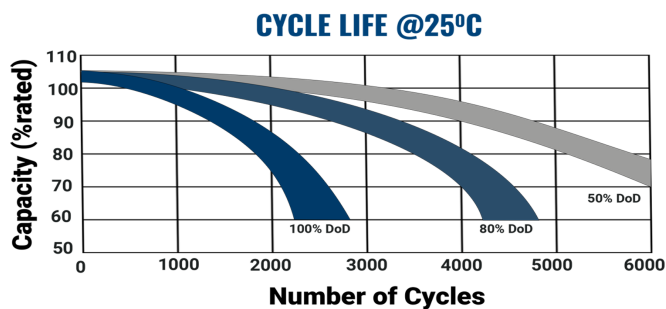
2. Discharge Rates Lithium vs. SLA



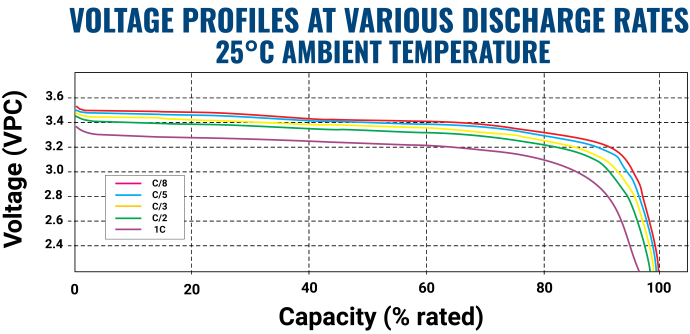
3. Lithium Charging



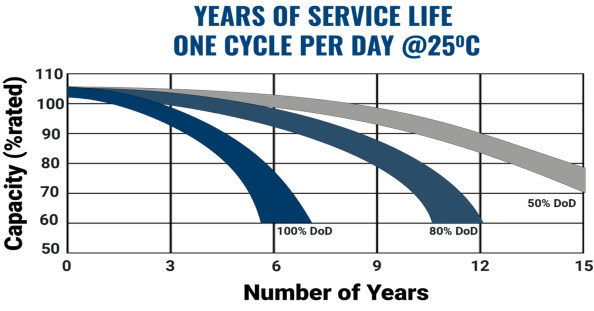
4. Lithium Cycle Life



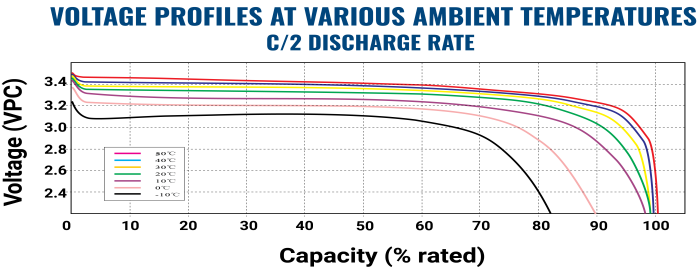
5. Lithium Discharge Rates



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

