

PSL-BT-123000

PSL-BT - Lithium Bluetooth PSL-BT Series

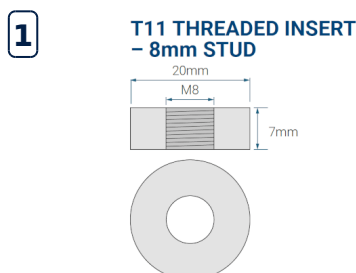
Lithium Bluetooth batteries that combine long cycle life with smart Bluetooth connectivity. Lightweight designs deliver dependable power while allowing you to remotely monitor status, track health, and control operation. Ideal for RVs, marine, solar energy systems, and other applications where real-time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



Engineering Drawing

L: 20.47in (520.0mm) +/- 0.04 in. (+/- 1mm) for
W: 19.41in (493.0mm) length and width +/- 0.08
H: 8.74in (222.0mm) in. (+/- 2mm) for height
HT: 8.74in (222.0mm) dimensions.

Available Terminals



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

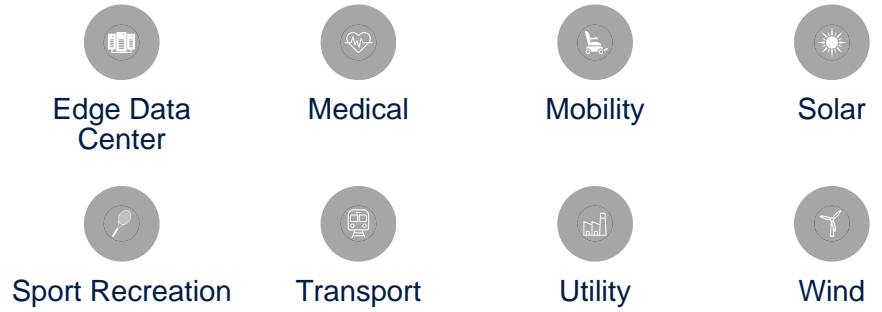
Performance Specs

Nominal Voltage	12.8V
Nominal Capacity	300.0Ah
20-hr Rate	300.0Ah
10-hr Rate	300.0Ah
Weight	37.7kg
Internal Resistance	30.0 milliohms
Max Discharge Current	300.0A
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-BTP-123000 M8
- PSL-BTP-123000 M8

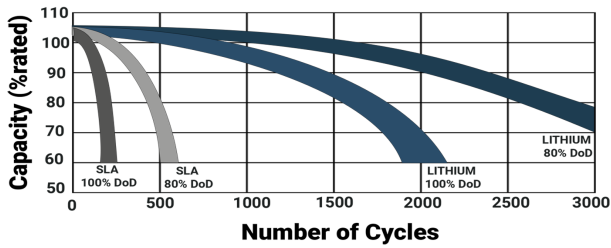
Applications



Graphs

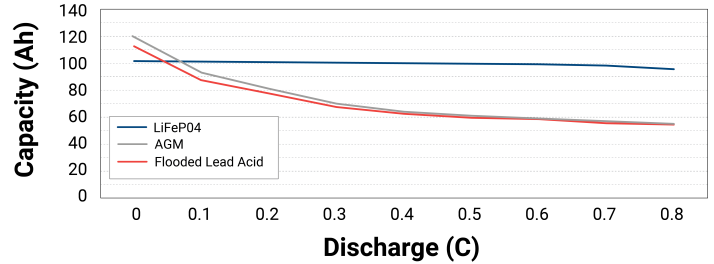
1. Cycle Life Lithium vs. SLA

CYCLE LIFE VS. DEPTH OF DISCHARGE (DoD) @25°C



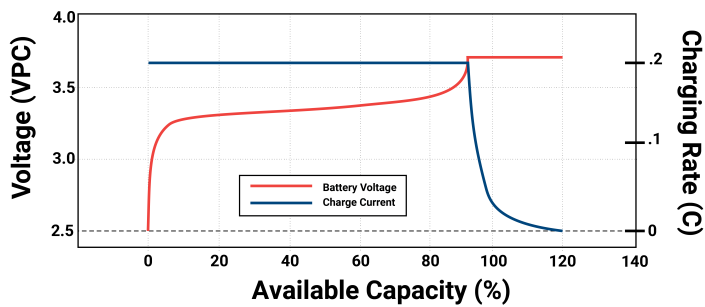
2. Discharge Rates Lithium vs. SLA

CAPACITY OF LiFeP04 vs. LEAD ACID AT VARIOUS RATES OF DISCHARGE



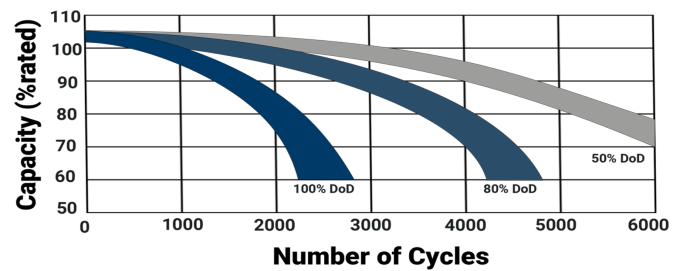
3. Lithium Charging

CHARGING CHARACTERISTICS @ C/2 AND 25°C

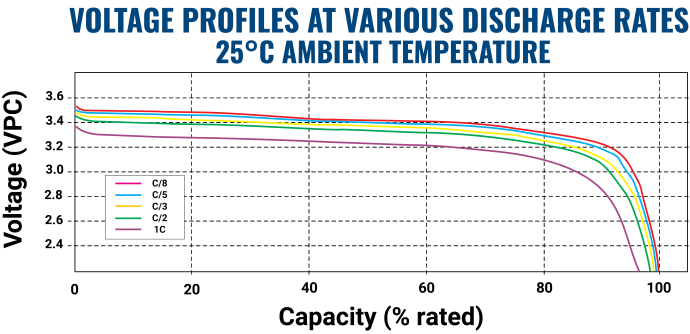


4. Lithium Cycle Life

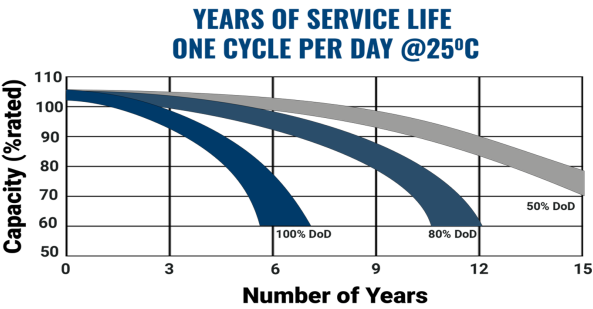
CYCLE LIFE @25°C



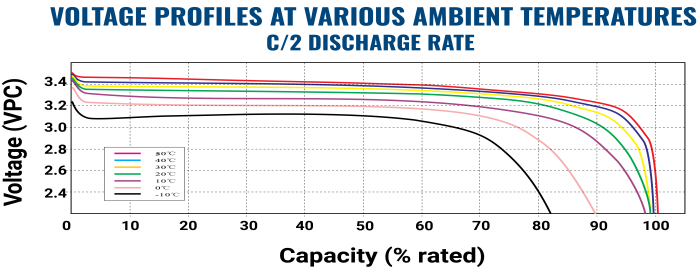
5. Lithium Discharge Rates



6. Lithium Service Life



7. Lithium Temperature Discharge



Lithium Protections

Condition	Nominal Voltage	Delay	Release
-----------	-----------------	-------	---------

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

