PSL-BT-48320-GC2

Lithium Bluetooth
PSL-BT - Lithium Bluetooth

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.

Performance Specifications

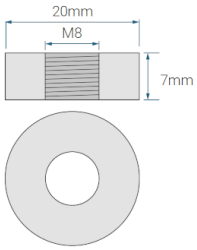
Nominal Voltage	51.2 Volts, (16.0 cells)
Nominal Capacity	32.0Ah
2-hr. (18.0A to 40.0 Volts)	
Stored Energy	1638.0Wh
Cycle Life (@100% Depth of Discharge)	2000
Series Connection	No series connections
Parallel Connection	Contact Power-Sonic to connect more than 4 in parallel
Approximate Weight	36.3lbs, (16.5kg)
Dimensions +/- 0.04 in. (+/- 1mm) for length and width +/- 0.08 in. (+/- 2mm) for height dimensions.	**L:** 10.25in, 259.0mm **W:** 7.12in, 180.0mm **H:** 10.25in, 259.0mm **TH:** 11.0in, 277.0mm
Internal Resistance (approx.) mΩ	mΩ
Max Continuous Discharge Current	90.0A
Operating Temperature Range	
Charge	32°F (0°C) to 113°F (45°C)
Discharge	14°F (-10°C) to 140°F (60°C)
Case	ABS Plastic Rated to UL94:V0
Recommended Power-Sonic Charger	PSLC-4812000

Configuration Options

- PSL-BT-48320-GC2 M8

Available Terminals (mm)

T11 THREADED INSERT – 8mm STUD



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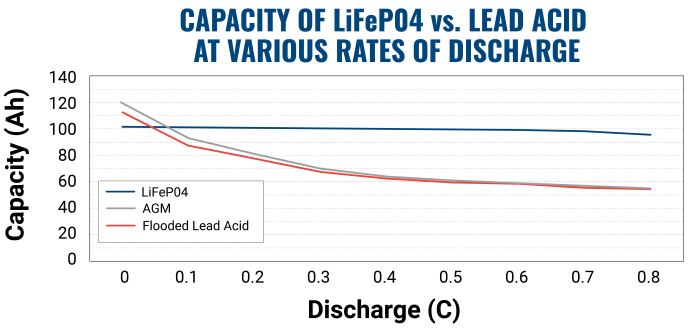
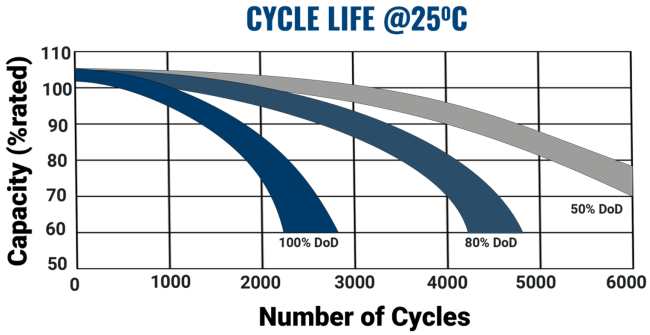
Graphs

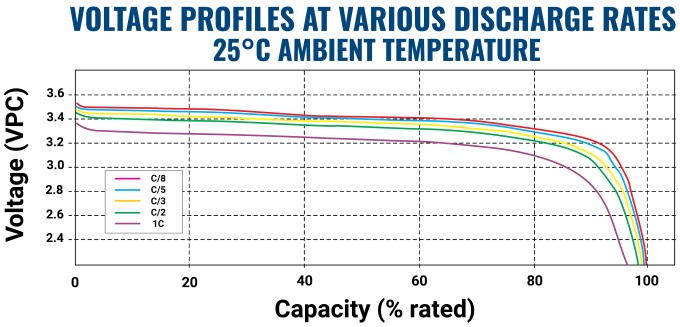
Discharge Rates Lithium vs. SLA



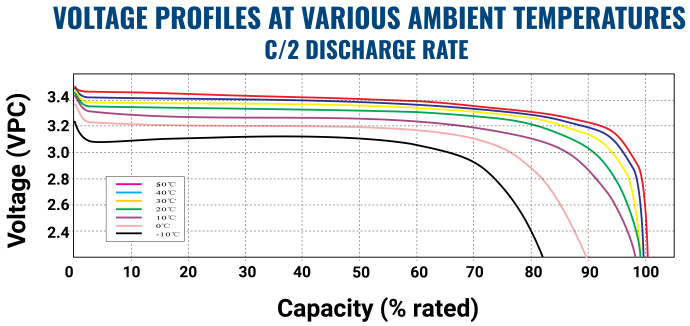
Lithium Cycle Life



Lithium Discharge Rates



Lithium Temperature Discharge



Protections Circuit Characteristics

Parameter	Condition	Delay	Release
1st Over Discharge Current	A	s	s
2nd Over Discharge Current	A	s	s
Over Charge Current	A	s	s
Cell Over Voltage Protection	V	s	V
Cell Under Voltage Protection	V	s	V
Short Circuit Protection Current	A	ms	s

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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.

Engineering Drawing

For Further Information

Please refer to our website, **www.power-sonic.com**, for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.

Approvals

Extended mineral reporting meets global supply chain transparency standards for responsible and ethical sourcing practices.

IEC 62619 and 62133 certifications verify lithium battery safety for energy storage, EV, and stationary power systems.

ISO 9001:2015 certification ensures consistent quality management and manufacturing standards for energy storage products.

Manufactured with UL 1642 certified lithium cells ensuring battery safety, durability, and regulatory compliance.

REACH compliant with EU chemical safety standards ensuring restricted substances are controlled in all battery components.

RoHS compliance ensures restriction of hazardous substances in electrical, electronic, and battery-powered products.

SVHC compliant with EU REACH regulations for Substances of Very High Concern used in electrical and energy storage products.

UL 1642 certification for lithium-ion battery safety, reducing fire risk in portable and industrial applications.

UN 38.3 certification ensures lithium batteries meet global transport safety standards for air, sea, and ground.

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