



PSL-BT SERIES

RECHARGEABLE LITHIUM IRON PHOSPHATE BATTERIES

LiFePO4 Bluetooth® Series



Medical



Solar



Wind



Mobility



Data Center



Transport



Sport & Recreation



Utility

Utilizing an intelligent BMS and Bluetooth® communication, the Power-Sonic Lithium Bluetooth® series allows you to monitor your battery status and recognize any potential issues.

The PSL Bluetooth® series is a drop-in replacement for lead acid batteries, with all the benefits of lithium technology combined with an intelligent battery management system (BMS). It delivers a 60% weight reduction and a superior cycle life. In addition, it utilizes LiFePO4 technology, a much safer solution than alternative lithium technologies.

At the heart of every Power Sonic lithium battery is an intelligent BMS that monitors and reacts to multiple voltage, current, and temperature events to maximize performance, battery life, and safety. Now with a free Bluetooth® app available, you can gain instant access to the battery's state of charge (SOC), voltage, cycles, and a complete log of any protection events.

POWERPS SONIC
TRUSTED BATTERY SOLUTIONS

power-sonic.com



PSL-BT SERIES

Rechargeable Lithium Iron Phosphate Battery
PSL BT – LiFePO4 Bluetooth® Series

BMS FEATURES

- Balancing function for cells
- Over-current protection
- Over-charge protection
- Over-discharge protection
- Over-temperature protection
- Under-temperature
- Short-circuit protection



FEATURES

- Compact and only 40% of the weight of comparable lead acid batteries
- Up to 10 times more cycles than lead acid batteries
- Faster charging and lower self-discharge
- Delivers twice the power of lead acid batteries, even high discharge rate, while maintaining high energy density.
- Super safe chemistry, reducing the risk of explosion or combustion due to condition impact, over-charging, or short circuit
- Rugged impact resistant ABS case and cover
- UL94 flammability rated
- Battery Management System (BMS) controls the parameters of the battery to provide optimum safety and performance
- Enhanced BMS design balances the battery cells and protects against overcharging and discharging
- Bluetooth® communication capability for battery status through Power-Sonic app

SPECIFICATIONS

Model	Series Connections	Parallel Connection	Nominal Voltage	Rated Capacity AH	Approx. Dimensions: inch (mm)			Approx. Weight		Terminal Type			
					Length	Width	Height	lbs.	kgs.				
PSL-BTC-1290	No Series Connections	4	12.8	9.0	5.94	151	2.55	65	3.74	95	2.64	1.20	F2
PSL-BTC-12120	No Series Connections	4	12.8	12.0	5.94	151	3.87	98.5	3.74	95	3.52	1.60	F2
PSL-BTP-12750	4	4	12.8	20.0	10.24	260	6.62	168	8.39	213	21.60	9.80	M8
PSL-BTP-12200	4	4	12.8	20.0	7.13	181	3.00	76	6.50	165	6.61	3.00	M8
PSL-BTP-12500	No Series Connections	4	12.8	50.0	7.72	196	6.50	165	6.85	174	14.33	6.50	M8
PSL-BTP-121000	4	4	12.8	100.0	12.52	318	6.50	165	8.47	215	32.41	14.70	M8
PSL-BTP-121250	No Series Connections	4	12.8	125.0	12.51	318	6.49	165	8.46	215	32.80	14.90	M8
PSL-BTP-121500	4	4	12.8	150.0	19.09	485	6.70	170	9.45	240	44.53	20.20	M8
PSL-BTP-122000	4	4	12.8	200.0	19.03	483.5	6.70	170	9.50	241	53.35	24.20	M8
PSL-BTP-123000	4	4	12.8	300.0	20.48	520	10.55	268	8.72	221.6	83.11	37.70	M8
PSL-BTP-24500	No Series Connections	4	25.6	50.0	12.52	318	6.50	165	8.47	215	27.11	12.30	M8
PSL-BTP-241000	No Series Connections	4	25.6	100.0	19.03	483.5	6.69	170	9.49	241	54.60	24.80	M8

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

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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.