**PSL-24200 25.6 Volt 22.0 AH**
Rechargeable Lithium Iron Phosphate Battery
PSL – LiFePO4 Series

**PCM FEATURES**
- Balancing function for cells
- Over-current protection
- Over-voltage protection
- Over-discharge protection
- Short-circuit protection

**APPROVALS**
- ISO9001:2015 – Quality management systems
- ETL Approved
- FCC Approved

**TERMINALS:** (mm)

- M6 threaded insert (female-threaded)

**DIMENSIONS:** inch (mm)


**BATTERY 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 capacity
- Super safe chemistry reducing the risk of explosion or combustion due to high impact, over-charging or short circuit situation
- Rugged impact resistant ABS case and cover flame retardant to UL94:V0

**PERFORMANCE SPECIFICATIONS**

- Nominal Voltage: 25.6 volts
- Rated Capacity: 22.0 AH
- Watt Hour: 563
- Life Expectation: Residual capacity is approximately 60% of rated capacity after 2500 cycle based on standard charge/discharge
- Approximate Weight: 13.0 lbs. (5.9 kg)
- Cell Configuration: IFR 18650EC - 1.5AH BS15P
- Internal Resistance at 50% SOC: <60.0 milliohmns
- Max Continuous Discharge Current: 16A
- Protection/Communication: PCM
- Shelf Life (% of nominal capacity at 68°F (20°C))
  - 1 Month: 97%
  - 3 Month: 91%
  - 6 Month: 85%
- Operating Temperature Range:
  - Charge: 32°F (0°C) to 122°F (50°C)
  - Discharge: 14°F (-10°C) to 122°F (50°C)
  - Storage: 32°F (0°C) to 86°F (30°C)
- Case: Flame Retardant ABS Plastic UL94:V-0
- Power Sonic Chargers: Contact us for information on a suitable charger

**Standard Charge/Discharge**
- Constant Current Charge Voltage: Charge CC@0.2C to 14.6 V then CV until current drops to 0.05C; Rest 30 min.
- Maximum Charging Current: 10A
- Charging Time with Max Charging Current: 2.5 Hours
- Standard Discharge: Discharge @ 0.2C to 10V.
- Terminal: M6 threaded insert (female-threaded)

To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.
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Rechargeable Lithium Iron Phosphate Battery
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CHARGING CHARACTERISTICS (0.2C AMP @ 25°C)

DISCHARGE VOLTAGE PROFILES @ VARIOUS DISCHARGE RATES @ 25°C AMBIENT TEMPERATURES

APPLICATIONS
- Medical
- Solar
- Wind
- Mobility
- Data Center
- Transport
- Sports & Recreation
- Utility

CHARGERS
Power Sonic offers a wide range of chargers suitable for batteries with a variety of capacities.
Please refer to our website for more information on our switch mode and transformer type chargers.
Please contact our technical department for advice if you have difficulty in locating a suitable charger.

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.