Power Sonic’s PSL-SH series has been specifically designed as a drop-in replacement to lead acid batteries. Combining proven lithium iron phosphate (LiFePO4) technology with an intelligent protection circuit module (PCM), the PSL-SH series delivers more power, faster charging and a longer life at less than half the weight of the equivalent lead acid battery.

With high efficiency and ultra-fast charging and discharging the PSL-SH series is ideal for industrial applications where a long-life span and quick charging capabilities are needed. At the heart of every Power Sonic lithium battery is an intelligent PCM that monitors and reacts to multiple voltage and current events to maximize performance, battery life and safety.
## PSL-SH SERIES

Rechargeable Lithium Iron Phosphate Batteries

### High Rate LiFePO4 Series

### APPROVALS

- UL 1642 cell certificate
- IEC 62133 cell certificate
- UN 38.3 certified

### BATTERY FEATURES

- Super safe lithium iron phosphate (LiFePO4) chemistry reducing the risk of explosion or combustion due to high impact, over-charging or short circuit situation
- Protection Circuit Module (PCM) controls the parameters of the battery to provide optimum safety by protecting against over-charging and over-discharging
- PCM contains a balance circuit, optimizing battery performance
- Higher voltage capability through serial connections
- Delivers twice the power of lead acid batteries, even at high discharge rates, while maintaining constant power
- Faster charging and lower self-discharge
- Up to 10 times more cycles than lead acid batteries
- Compact and only 40% of the weight of comparable lead acid batteries
- Rugged impact resistant ABS case and cover flame retardant to UL94:V0

### PROTECTION CIRCUIT MODULE

The PSL-SH Series comes with a protection circuit module which monitors current and voltages during charge and discharge. This protects the battery from over-charge and over-discharge.

The PCM includes a balancing circuit that controls all cell voltages in the battery, making sure they are constantly at the same voltage level, optimizing battery capacity.

### DIMENSIONS: inch (mm)

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Voltage</th>
<th>Rated Capacity</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Total Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSL-SH-1260</td>
<td>12.8V</td>
<td>6.2 AH</td>
<td>151</td>
<td>5.95</td>
<td>2.56</td>
<td>3.70</td>
<td>1.76</td>
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<tr>
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<td>7.2 AH</td>
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<td>2.56</td>
<td>3.70</td>
<td>1.98</td>
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<tr>
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<td>10.8 AH</td>
<td>151</td>
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<td>11.4 AH</td>
<td>151</td>
<td>5.95</td>
<td>2.56</td>
<td>3.70</td>
<td>2.87</td>
</tr>
</tbody>
</table>

### TERMINALS: (mm)

- F1: Quick disconnect tabs, 0.187” x 0.032” – Mate with AMP INC FASTON “187” series
- F2: Quick disconnect tabs, 0.250” x 0.032” – Mate with AMP INC FASTON “250” series

### APPROVALS

- UL 1642 cell certificate
- IEC 62133 cell certificate
- UN 38.3 certified

### GLOBAL HEADQUARTERS

**USA and International Excluding EMEA**

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Reno, Nevada 89439
USA
T: +1 619 661 2020
E: customer-service@power-sonic.com

**POWER-SONIC EMEA (EMEA - EUROPE, MIDDLE EAST AND AFRICA)**

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: +31 33 7410 700
T UK: +44 1268 560 686
T FR: +33 344 32 18 17
E: salesEMEA@power-sonic.com

### FURTHER INFORMATION

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

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GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA) - Power-Sonic Corporation - 365 Cabela Dr Suite 300, Reno, Nevada 89439 - USA - T: +1 619 661 2020 - E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA - EUROPE, MIDDLE EAST AND AFRICA) - Smitspol 4, 3861 RS Nijkerk, The Netherlands - T NL: +31 33 7410 700 - T UK: +44 1268 560 686 - T FR: +33 344 32 18 17 - E: salesEMEA@power-sonic.com

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