

# PSL-FP SERIES

## RECHARGEABLE LITHIUM IRON PHOSPHATE CELLS

LiFePO4 Cells



Power Sonic's PSL-FP series features prismatic and cylindrical formats in both energy and power cells. Featuring proven and safe lithium iron phosphate (LiFePO4) technology, the PSL-FP series delivers many options for different battery configurations and application-specific needs.

With high efficiency, and ultra-fast charging and discharging the PSL-FP series is ideal for industrial applications where a long-life span and quick charging capabilities are needed.



Medical



Solar



Wind



Mobility



Data Center



Transport



Sport &  
Recreation



Utility



## PSL-FP SERIES

Rechargeable Lithium Iron  
Phosphate Cells  
LiFePO<sub>4</sub> Cells

### APPROVALS

- UL 1642 certificate
- IEC 62133 certificate
- IEC 62619 certificate
- UN 38.3 certified
- ISO9001:2015 - Quality management systems



### CELL FEATURES

- Super safe lithium iron phosphate (LiFePO<sub>4</sub>) chemistry reducing the risk of explosion or combustion due to high impact, over-charging or short circuits
- Construct custom battery design by placing two or more cells in parallel and/or series
- Fast charging and low self-discharge rate
- Durable steel case material

| Model                | Nominal Voltage | Rated Capacity | Dimensions: inch (mm) |     |                |      |        |     |              |     | Weight |       | Terminal Type Standard |
|----------------------|-----------------|----------------|-----------------------|-----|----------------|------|--------|-----|--------------|-----|--------|-------|------------------------|
|                      |                 |                | Length                |     | Width/Diameter |      | Height |     | Total Height |     |        |       |                        |
|                      |                 |                | V                     | AH  | inch           | mm   | inch   | mm  | inch         | mm  | inch   | mm    |                        |
| PSL-FP-IFP2770180EC  | 3.2V            | 25AH           | 2.76                  | 70  | 1.06           | 27   | 6.49   | 165 | 7.09         | 180 | 4.37   | 1.99  | M6                     |
| PSL-FP-IFP2770180EN  | 3.2V            | 25AH           | 2.76                  | 70  | 1.06           | 27   | 6.49   | 165 | 6.65         | 169 | 4.37   | 1.99  | Ni Plate               |
| PSL-FP-IFP30135185EC | 3.2V            | 50AH           | 5.31                  | 135 | 1.15           | 29.3 | 7.08   | 180 | 7.80         | 198 | 3.08   | 1.40  | M6                     |
| PSL-FP-IFP30135185EN | 3.2V            | 50Ah           | 5.31                  | 135 | 1.15           | 29.3 | 7.08   | 180 | 7.40         | 188 | 3.08   | 1.40  | Ni Plate               |
| PSL-FP-IFP36130200EC | 3.2V            | 100AH          | 5.12                  | 130 | 1.44           | 36.7 | 8.27   | 210 | 8.43         | 214 | 4.37   | 1.99  | M6                     |
| PSL-FP-IFP36130200EN | 3.2V            | 100AH          | 5.12                  | 130 | 1.44           | 36.7 | 7.68   | 195 | 7.99         | 203 | 4.37   | 1.99  | Ni Plate               |
| PSL-FP-IFR18650EC    | 3.2V            | 1.5AH          | 2.56                  | 65  | 0.72           | 18   |        |     |              |     | 0.09   | 0.04  | Button                 |
| PSL-FP-IFR18650PC    | 3.2V            | 1.1AH          | 2.56                  | 65  | 0.72           | 18   |        |     |              |     | 0.09   | 0.04  | Button                 |
| PSL-FP-IFR26650EC    | 3.2V            | 3.4AH          | 2.56                  | 65  | 0.99           | 26   |        |     |              |     | 0.19   | 0.085 | Button                 |
| PSL-FP-IFR26650PC    | 3.2V            | 2.3AH          | 2.56                  | 65  | 0.99           | 26   |        |     |              |     | 0.19   | 0.085 | Button                 |

\*2 packs can be connected in series, parallel connection not recommended

#### GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

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#### 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.