

19" Rack-Mount Li-Ion Battery



3U LiFePO4 ION RACK



2U Lithium ION PSB RACK

FSP's 19" Rack-Mount Li-Ion Battery adopts highly reliable Lithium battery cells for long cycle life (2000+) and consistent performances. The battery packs use advanced Battery Management System (BMS) to enhance system performance, prolong life and warrant safety.

Each battery rack has its dedicated battery management circuitry and can be safely used individually or in parallel (to increase capacity) as key storage element in a modern Energy Storage System.

When used properly these battery racks can provide decade long usable life.

Applications

- Industrial backup power systems.
- Uninterruptible Power Supply (UPS)
- Telecom, Data Center
- Grid or renewable energy storage

Specifications

| Model | BS4866FSP |
|-----------------------------------|--|
| Rated Voltage / Capacity | 51.2V / 66Ah |
| Cell Type | LiFePO4 (66Ah single cell) |
| Rated Energies | 3,400Wh |
| Charging Voltage | 58.4V |
| Maximum Charge Cut Off Voltage | 58.4V |
| Minimum Discharge Cut Off Voltage | 40.0V |
| Nominal Charging Current | 30A |
| Maximum Charging Current | 60A |
| Rated Discharge Current | 70A |
| Normal Operating Temperatures | Charging: 0-50°C; Discharging: -20-60°C *Consult factory for operations beyond normal operating temperatures |
| Balancing | Built-in Passive Balancing circuits among cells in a module and Active Balancing circuits between modules |
| Battery protection | Over-charge, Over-discharge, Over-temperature, Under-temperature, Over-current, Short-circuit protections |
| Communication bus | RS-485 |
| Dimension, LxDxH (mm) | 552.5 x 450.0 x 126.5 (3U rack) |
| Weight | 39kg |
| Features | <ol style="list-style-type: none"> 1. Parallelable for up to 10 packs (consult factory for more than 10) 2. Real time monitoring of cell Voltages, module/ branch currents, cell temperatures. 3. Individual battery branch control for extended availability 4. Stable & reliable name-brand battery cells from fully automatic production lines. |

| Model | BS4856FSP |
|-----------------------------------|---|
| Rated Voltage / Capacity | 46.8V / 56.7Ah |
| Cell Type | Li-ion (2000 cycles from reputed world-leading cell manufacturer) |
| Rated Energies | 2,654Wh |
| Charging Voltage | 52.0V |
| Maximum Charge Cut Off Voltage | 52.0V |
| Minimum Discharge Cut Off Voltage | 39.0V |
| Nominal Charging Current | 12A |
| Maximum Charging Current | 24A |
| Rated Discharge Current | 24A (Max. 35A in 10sec) |
| Normal Operating Temperatures | Charging: 5-45°C; Discharging: -10-45°C *Consult factory for operations beyond normal operating temperatures |
| Balancing | Passive balance between cells and modules |
| Battery protection | Over-charge, Over-discharge, Over Temperature, Under Temperature |
| Communication bus | RS-485 |
| Dimension, LxDxH (mm) | 440.0 x 450.0 x 84.0 (2U rack) |
| Weight | 25kg |
| Features | <ol style="list-style-type: none"> 1. Monitoring battery status simultaneously 2. Charge status detection 3. Module capacity calculation 4. Certification Cell: UL-1642 and UN38.3 Module: CE EN62040-2:2006 & UN38.3 |

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