上海电气 SHANGHAI ELECTRIC | 国轩高科 GUOXUAN HIGH-TECH

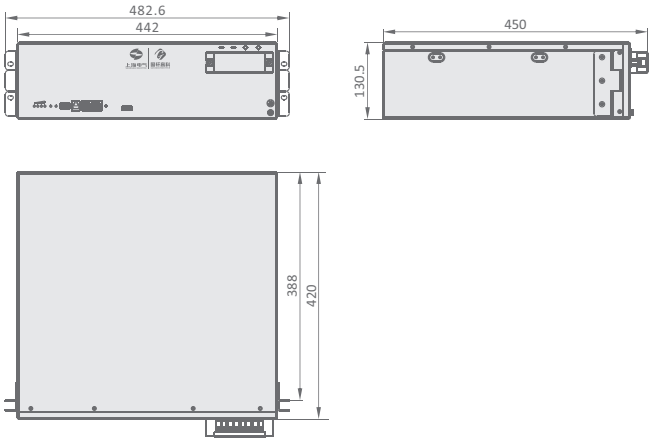
SEG48100

SEG48100 is a light 48V100Ah LiFePO4 battery module with high energy density which supports 19-inch rack installation. It has a long-service life and it supports fast charge/discharge.

Battery Management System (BMS)

It adopts advanced intelligent BMS with alarm and protection functions such as overcharge/discharge, max current control, thermal runaway control, etc. It can also record the voltage, current and regular operating data.

- Excellent performance in harsh conditions
- Protection functions of voltage, current & temperature
- Easy O&M
- 15 years design life
- Applications:
  - Backup power supply for telecommunications
  - Renewable energy on-grid/off-grid/hybrid system
  - UPS
  - Others

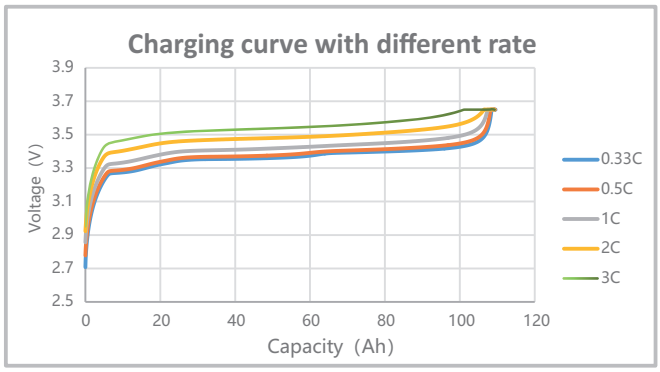


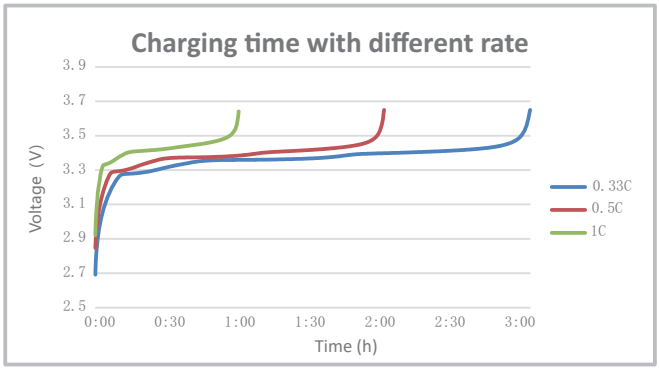
ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 | UL | CE | TÜV SÜD | TLC | RoHS | UN38.3

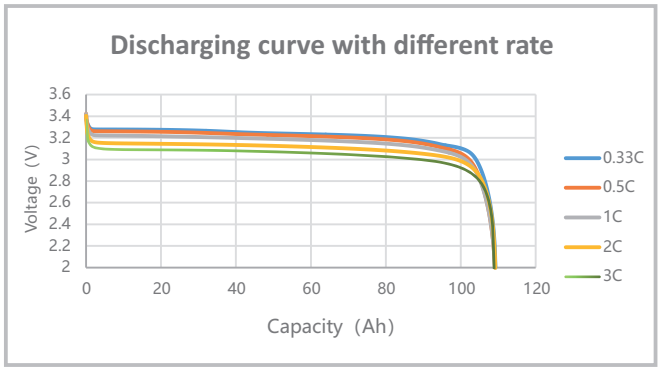
Specifications & Parameters

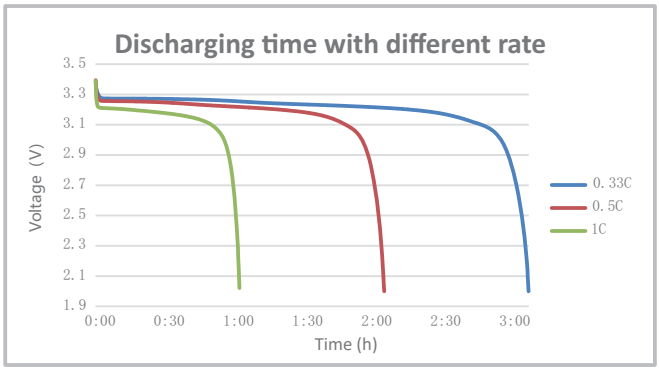
Parameters	
Items	**Indicates**
Cell Combination	1P15S
Rated Capacity	100Ah (0.2C to 40.5V @ 25°C)
Rated Energy	4800Wh
Width × Depth × Height	442mm × 420mm × 130.5mm
Weight	42kg ± 2kg
Operating Voltage Range	40.5V ~ 54.75V
Max Charge/Discharge Current (Continuous)	50A / 100A
Cycle Life	3000 times @0.5C, 80% DOD
Charge Temperature Range	0°C ~ 55°C
Discharge Temperature Range	-20°C ~ 60°C
Optimal Storage Temperature	0°C ~ 30°C
Communication Interface	RS232 / RS485
Protection Class	IP20
Self-Discharge Rate@25°C	< 3% / month
Other Function	Current Limiter / Data logger / Cell balancing / Software lock
Options	LCD screen / Anti-theft / Terminal size / Dry contact
Communication In Parallel	15 modules in parallel maximum

Performance curves









Disclaimers of warranties:

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All product outward appearance, the color take the material object as, the picture only supply the reference.

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