



SEG481001

Intelligent Lithium Battery

SEG48100 is a light 48V100Ah LiFePO4 battery module with high energy density which supports 19-in ch 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 to monitor the health of battery such as overcharge/discharge, max current control, thermal runaway control, etc. It can also record the voltage, current and regular operating data.

There are DC-DC transformation functions, used to perform the battery constant current, constant voltage charge and discharge, standby, protection and other functions, ensure a reliable safety and excellent performance. And which supports work with other type batteries.

Excellent performance in harsh conditions

Work independently

Explosion-proof battery container

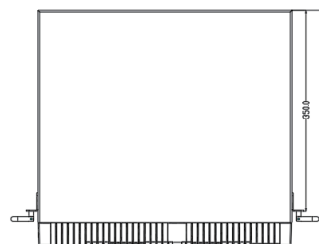
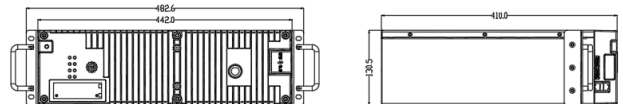
Protection functions of voltage, current & temperature

Easy O&M

10 years design life

Applications:

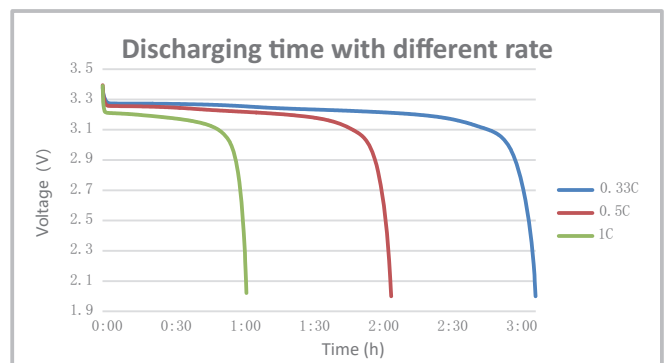
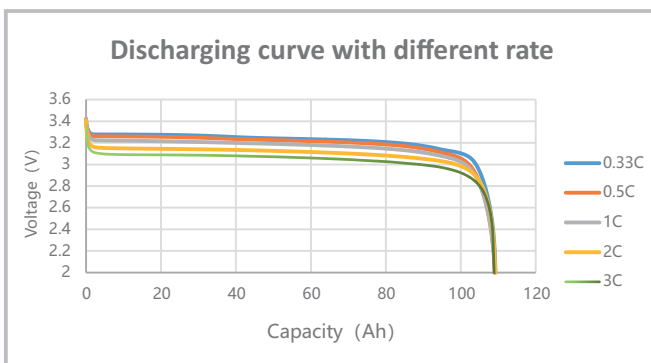
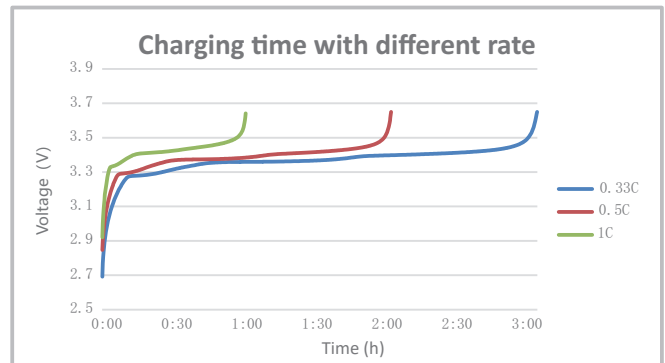
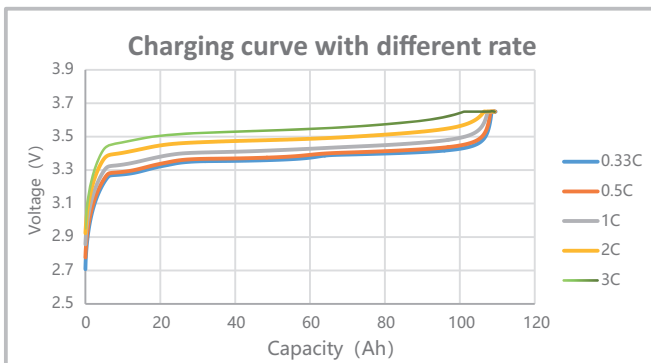
- Backup power supply for telecommunications
- Renewable energy
- UPS



Specifications & Parameters

Parameters	
Items	Indicates
Open Circuit Voltage (OCV)	48 V (3.2 V each cell), 1P15S
Rated Capacity	100Ah (0.2C to 40.5V @ 25°C)
Rated Energy	4800Wh
Width × Depth × Height	440mm × 410mm × 130.5mm
Weight	41kg ± 1kg
Operating Voltage Range	36V ~ 60V
Max Charge/Discharge Current (Continuous)	100A (1 C)/ 100A (1 C)
Cycle Life	3000 times @0.5C, 80%DOD, 70%EOL 25 C
Constant voltage discharge range	43V~57V, the default value is 53V
Charging current (current limit)	10A
Interface	RS485*2/ Dry contact*2/CAN
Equalizing voltage/floating voltage	54V/52V
Operating temperature	Charge 0~45 C / Discharge -20~55 C
Self-Discharge Rate@25°C	< 5% / 90 Days
Other Function	Current Limiter / Data logger / Cell balancing /Anti-theft
Terminal size	M6, torque 4N.m
Communication In Parallel	32 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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