High-Voltage Stackable - 10240Wh



Product Description

The high-voltage energy storage battery management system is mainly used in home and commercial energy storage. This distributed two-level system consists mainly of a battery control master unit (BCMU) and battery management units (BMU). It monitors cell voltage, cell temperature, current and total voltage in real time, calculates SOC, estimates SOH and derives SOP to effectively manage lithium battery system safety, and exchanges information with PCS through CAN/RS485 communication interfaces.

The system supports up to 60kWh battery capacity and 40kW power output, with distributed multi-group battery systems.

Specifications

Rated Capacity	100Ah
Rated Voltage	102.4V
Rated Energy	10.24kWh
Rated Charge/Discharge Rate	0.5C
Operating Voltage Range	80V~116.8V
Std. Charge/Discharge Current	0.2C/0.33C
Std. Charge/Discharge Cut-off Voltage	91.2V/116.8V
Max. Continuous Charge Current	50A
Max. Continuous Discharge Current	50A
Recommended SOC Range	10%~95%
Charging Temperature	0℃~50℃
Discharging Temperature	-20℃~50℃
Short-Term Storage Stability (within 1 month)	-20℃~45℃
Long-Term Storage Stability (within 1 year)	0℃~35℃
Storage Humidity	5%~90%
Cycle Count	6000+
Product Size	680*528*190mm
Net Weight	≈81Kg