

OUTDOOR AIR COOLING BESS (IP54)

512V100AH 50KWH



FEATURES

- ◆ 100kW peak power for demanding commercial and industrial applications.
- ◆ 51.2kWh capacity for long-lasting energy supply.
- ◆ Advanced BMS for enhanced performance and battery life,
- ◆ Rapid charge/discharge cycles for optimal efficiency.
- ◆ Modular design for flexible capacity expansion.
- ◆ Reliable cooling and robust construction for stable operation,
- ◆ Remote monitoring and management for easy of use.
- ◆ Supports renewable energy and reduces carbon footprint.

Technical Data

High Voltage Lithium Energy Storage Systems For C And I Applications

Item	Parameter	Remark
Rating Voltage	512V	
Capacity	100Ah	@ 0.2C Discharge After Full Charge
Minimum Capacity	≥ 100Ah	@ 0.2C Discharge After Full Charge
Communication Mode	RS485, CAN	
Charge Voltage	584V	
Charge Current	≤ 100A	
Impedance	≤ 180 mΩ (Max)	
Charging Mode	CC / CV	Constant Current / Constant Voltage
Charging Method	Standard Charging 0.2C	Charging Current: 20A
	Fast Charging 0.5C	Charging Current: 50A
Charging Time	About 6 Hours	Standard Charging
	About 3 Hours	Fast Charging
Overcharge Voltage	3.65V /Cell	Single string voltage
Over Discharge Cut Off Voltage	2.8V /Cell	Single string voltage
Rated discharge current	≤ 100A	Maximum discharge current:100A
Over Current	120A	
Short Circuit	Recover after removing the short circuit load	
Operating Consumption Current	50mA (Max)	
Operating Temperature	+10~+45°C	Charging
	-20~+60°C	Discharging
Storage Temperature	-20~+50°C	Storage capacity should be 60±25%R.H full charge capacity
Cycle Life	6000 cycle	Percentage of recoverable capacity 80%
Dimensions	790*650*2049mm(cabinet); 570*440(482)*150mm(single module*10), 490*442(482)*222mm(HV Box)	
Weight(kg)	≥774kg (Weightofasingle battery module x 10+BMU weight + cabinet weight (including air conditioner))	
Shipped product charge	50%-60% battery volume delivery	
Package material	Carton + wooden fumigation tray	

Product specifications are subject to change without prior notice.