

SDC-ESS-R652V130kWh

SDC-ESS-R652V130kWh is a lithium-ion energy storage cluster for large-capacity energy storage applications. It can be used for frequency regulation, wind and solar power ramp control and time shifting, peaks having, transmission and distribution (T&D) system upgrade deferring, distributed generation and microgrid.

It is modularized designed with high scalability and can meet the power and energy need of different scenarios. The rated voltage of the battery cluster is 652.8V (17 SDC-ESS-M38V7kWh modules are connected in series, which can be adjusted appropriately according to the practical demand) and the rated capacity is 200Ah.



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Product Characteristics

◆ High Safety:

Employ LFP material system with higher safety and reliability. The BMS system can monitor the voltage, current, temperature and state of the cell in real time to ensure the safe operation of the battery.

◆ Advanced Heat Management:

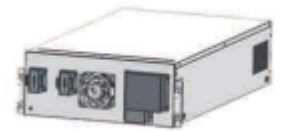
Battery module with active heat dissipation and heat dissipation fin design to ensure efficient and uniform heat dissipation of the energy storage battery.

◆ High Discharge Rate:

The module has excellent rate charging/discharging performance, maximum sustainable 1C charging and discharging, to meet different application demand.

◆ Standardized Module:

It is standardized designed with expansibility and can meet the power and energy requirements of different scenarios. Integrated BMS design and standardized communication protocol ensure plug and play of the energy storage module.



SDC-ESS-M38V7kWh



Specification Parameters

SDC-ESS-M38V7kWh Battery Module Parameters

Nominal Voltage	38.4V
Available Energy(Nominal)	7.68kWh
Nominal Capacity	200Ah
Charge Current	200A
Discharge Current	200A
Operating Voltage Range	30V~43.8V
Recommended Operating Temperature	10°C~30°C
Storage Temperature and Humidity Range	Temperature:-20°C~55°C Humidity:45%~85%RH
Dimensions(W*D*H)	482mm×814mm×178mm
Weight	60kg
Certification	UN38.3

SDC-ESS-R652V130kWh Lithium-ion Battery Energy Storage Cluster Parameters

Nominal Voltage	652.8V	1152V
Available Energy(Nominal)	130.56kWh	230.4kWh
Operating Voltage Range	510VDC~744.6VDC	900VDC~1314VDC
Rated Charge Current	200A	
Rated Discharge Current	200A	
Maximum Charge Current	200A	
Maximum Discharge Current	200A	
Communication	CAN/RS485	
Operating Temperature Range	0~45°C	
Recommended Operating Temperature Range	15°C~30°C	
Storage Temperature Range	-20°C~55°C	
Relative Humidity	5%~95%RH	
Dimensions(W*D*H)	1060mm×850mm×2100mm	1590mm×850mm×2300mm



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