SDC10-Box16

Embedded Household Energy Storage Lithium Battery System

SDC10-Box16 series embedded household lithium battery products are suitable for the use of 51.2V low-voltage energy storage system, the system adopts the design concept of high safety, high cycle, high reliability and minimalist, the parallel system capacity can be expanded to 321.6 kWh, the system supports matching various mainstream brands of inverters, and is used in new energy household energy storage systems for grid-connected, off-grid, photovoltaic and various green and low-carbon applications.

16.08 kWh



Minimalist design

standardized module,
19-inch embedded compatible design,
Easy to maintain and expand.

Wide Compatibility

The system supports customized protocol development

Ultra-Long Life

Ultra-long cycle cell, designed for 15 years

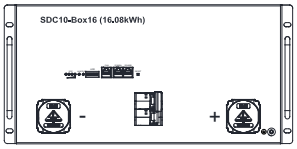
High Security

Self-produced 314Ah
LFP Prismatic Cell, which is highly safe and reliable.

High Scalability

Optional extension functions:
Fire protection module, Bluetooth, etc.

Technical Parameters

Model	SDC10-Box16
	
Cell Type	314Ah LFP Prismatic Cell
Nominal Energy[1]	16.08kWh
Available Nominal Energy	14.472kWh
Nominal Voltage	51.2V
Operating Voltage Range	45-56.4V
Max. Output Power	7.2 kW
Peak Output Power	8.0 kW, 10s
Max. Charging Current	100A
Max. Discharge Current	157A
Charge and Discharge Efficiency	≥95%
Max. Number of Parallels	20
General	
Dimensions [W*H*D][2]	484*233*700mm
Weight[3]	113.5kg
Communication	CAN/RS485
Installation	Rack-mounted
Enclosure Rating	IP20
Operating Temperature[4]	Charge: -5~50℃; Discharge: -15~50℃; Recommended: 15~35℃
Operating Humidity	5%~95%[Non-Condensing]
Cooling Mode	Natural Cooling
Operating Altitude	≤4000m
Safety/Standards	
Certification	UN38.3

* Note:
[1] Test environment: 0.2C charge and discharge @25℃&100%DOD ;
[2] Dimensional error ±2mm ;
[3] Weight error ±2kg ;
[4] -5℃~10℃, power reduction of 10%~15% ;

* Declaration:
This information is only a brief description of the product performance, if you need the latest product information, please contact our business personnel or log in to the official website to download.

UN38.3