

SDC10-Box5 LV Series

Embedded Household Energy Storage Lithium Battery System

SDC10-Box5 series are suitable for 51.2V low voltage ESS. It adopts high safety, high cycle, high reliability and minimalist design. The system can be paralleled, with capacity extended to 102kWh, applied in grid-connected, off-grid, photovoltaic and all kinds of green and low-carbon applications of household ESS.

5.12 kWh



Minimalist design

3U standardized module,
19, 23 inch embedded compatible design,
Easy maintenance and expansion.



Wide Compatibility

The system matches 20+ brand mainstream inverters,
And support custom protocol development.



Ultra-Long Life

Ultra-long cycle cell.



High Security

Shoto's self-produced 100Ah
LFP Prismatic Cell, Which is highly safe and reliable.



High Scalability

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

Technical Parameters

Model	SDC10-Box5
	
Cell Type	100Ah LFP Prismatic Cell
System Nominal Energy ^[1]	5.12kWh
Available System Nominal Energy	4.096kWh
Nominal Voltage	51.2V
Operating Voltage Range	40.0V~56.4V
Max/Rated DC Power	5.12kW
Peak DC Power	5.4kW,10S
Max. Charging Current	100A
Max. Discharge Current	100A
Charge and Discharge Efficiency	≥95%
Country of manufacture	Made in china
DoD	80%
General	
Dimensions [W*H*D] ^[2]	484*133*440(±2mm)
Weight ^[3]	38.5kg
Communication	CAN/RS485
Installation	Rack/Wall Mounted
Enclosure Rating	IP20 (indoor use)
Operating Temperature ^[4]	Charge: 0°C~45°C; Discharge: -15°C~50°C; Recommended: 15°C~35°C
Operating Humidity	5%~95%[Non-Condensing]
Cooling Mode	Natural Cooling
Operating Altitude ^[5]	≤2000m
Safety/Standards	
Certification	UL1973、IEC62477、IEC62619、CE-EMC、VDE2510-50、CEI0-21、UKCA、UN38.3

* Note:

[1] Test environment: 0.2C charge and discharge @25°C&80%DOD;

[2] The size of a single batter, not including the base, more than 2 including the base;

[3] Weight error ±2kg;

[4] -15°C~10°C, 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.