

Residential energy storage

SX-H-LV51-W

Featured configuration • SX-H-LV51-W100

Battery Energy

5.12 kWh

Discharge Power

5120 W

Nominal Voltage

51.2 Vdc

Nominal Capacity

100 Ah

IP Rating

IP20

Cycle life

6000 Cycles @ 90% DOD/25°C/0.5C

Technical specifications



SX-H-LV51-W100



SX-H-LV51-W200

Parameter	SX-H-LV51-W100	SX-H-LV51-W200
Battery		
Nominal Voltage	51.2 Vdc	51.2 Vdc
Nominal Capacity	100 Ah	200 Ah
Battery Energy	5.12 kWh	10.24 kWh
Working Voltage	45.6~56.16 Vdc	45.6~56.16 Vdc
Charge Current	50 A	—
Charge Power	2560 W	—
Discharge Current	100 A	—
Discharge Power	5120 W	—
Short Circuit Current	350 A	≈300 A
Display	LCD Display	LCD Display
Communication	CAN, RS485,RS232	CAN, RS485,RS232
Dimensions (W × D × H) (mm)	440x138x600 mm	450x230x680 mm
Weight (Kg)	47.3 kg	83.5 kg
Installation	Floor Stand or Wall Mount	Floor Stand or Wall Mount
Working Temperature	Charge : 0~45°C / Discharge : -20~55°C	Charge : 0~45°C / Discharge : -20~55°C
Operating/Storage Humidity	⩽95%RH	⩽95%RH
Max Operating Altitude	⩽2000m	⩽2000m

Technical specifications

Parameter	SX-H-LV51-W100	SX-H-LV51-W200
IP Rating	IP20	IP20
Cell Technology	LiFePO4, Lithium lron Phosphate	LiFePO4, Lithium lron Phosphate
Cycle life	6000 Cycles @ 90% DOD/25°C/0.5C	6000 Cycles @ 90% DOD/25°C/0.5C
Scalability	Max 15 batteries in parallel	Max 63 batteries in parallel
Warranty	10 years	10 years
Certificates	CE, UN38.3, RoHS	—
Max Charge Current	—	100 A
Max Discharge Current	—	170 A
Max Charge Power	—	5120 W
Max Discharge Power	—	8704 W
Storage Temperature	—	⩽25°C,12 months; ⩽35°C,6 months; ⩽45°C,3 months

Notes

UN38.3 and MSDS are not evidence of EU whole-system market access.

Target markets: Europe, Africa, Latin America excluding Brazil, Southeast Asia.

FOB China, or from European stock by volume for European orders.