

Non-EU product range

SX-H-LV51-ST

Featured configuration • SX-H-LV51-ST100

Battery Energy

5.12 kWh

Max Discharge Power

5000 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

Parameter	SX-H-LV51-ST100	SX-H-LV51-ST200	SX-H-LV51-ST300
Battery			
Nominal Capacity	100 Ah	200 Ah	300 Ah
Battery Energy	5.12 kWh	10.24 kWh	15.36 kWh
Max Charge Current	50 A	100 A	150 A
Max Charge Power	2500 W	5000 W	7500 W
Max Discharge Current	100 A	200 A	200 A
Max Discharge Power	5000 W	10000 W	10000 W
Dimensions (W × D × H) (mm)	620X145X435 MM	620X145X816 MM	620X145X1197 MM
Weight (kg)	45 kg	87.5 kg	130 kg
Nominal Voltage	51.2 Vdc	51.2 Vdc	51.2 Vdc
Working Voltage	45.6~56.16 Vdc	45.6~56.16 Vdc	45.6~56.16 Vdc
Short Circuit Current	350 A	350 A	350 A
Installation	Ground mounted or wall mounted	Ground mounted or wall mounted	Ground mounted or wall mounted
Working Temperature	Charge : 0~45°C / Discharge : -20~55°C	Charge : 0~45°C / Discharge : -20~55°C	Charge : 0~45°C / Discharge : -20~55°C
Storage Temperature	⩽25°C,12 months; ⩽35°C,6 months; ⩽45°C,3 months	⩽25°C,12 months; ⩽35°C,6 months; ⩽45°C,3 months	⩽25°C,12 months; ⩽35°C,6 months; ⩽45°C,3 months
Operating/Storage Humidity	⩽95%RH	⩽95%RH	⩽95%RH
Max Operating Altitude	⩽2000m	⩽2000m	⩽2000m
IP Rating	IP20	IP20	IP20
Cell Technology	LiFePO4, Lithium lron Phosphate	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	6000 Cycles @ 90% DOD/25°C/0.5C
Scalability	Max 15 batteries in parallel	Max 15 batteries in parallel	Max 15 batteries in parallel
Warranty	10 years	10 years	10 years
Display	SOC statusindicator, LED indicator	SOC statusindicator, LED indicator	SOC statusindicator, LED indicator
Communication	RS232、RS485、CAN	RS232、RS485、CAN	RS232、RS485、CAN

Technical specifications

Parameter	SX-H-LV51-ST400
Battery	
Nominal Capacity	400 Ah
Battery Energy	20.48 kWh
Max Charge Current	200 A
Max Charge Power	10000 W
Max Discharge Current	200 A
Max Discharge Power	10000 W
Dimensions (W × D × H) (mm)	620X145X1578 MM
Weight (kg)	172.5 kg
Nominal Voltage	51.2 Vdc
Working Voltage	45.6~56.16 Vdc
Short Circuit Current	350 A
Installation	Ground mounted or wall mounted
Working Temperature	Charge : 0~45°C / Discharge : -20~55°C
Storage Temperature	⩽25°C,12 months; ⩽35°C,6 months; ⩽45°C,3 months
Operating/Storage Humidity	⩽95%RH
Max Operating Altitude	⩽2000m
IP Rating	IP20
Cell Technology	LiFePO4, Lithium lron Phosphate
Cycle life	6000 Cycles @ 90% DOD/25°C/0.5C
Scalability	Max 15 batteries in parallel
Warranty	10 years
Display	SOC statusindicator, LED indicator
Communication	RS232、RS485、CAN

Notes

NOT FOR THE EU. Africa, Latin America excluding Brazil, and Southeast Asia only.

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

FOB China.