

Residential energy storage

SX-H-HV

Featured configuration • SX-H-HV2

Battery Energy (kWh)

10.44

Discharge Power (W)

8192

Nominal Voltage (Vdc)

102.4

Nominal Capacity (Ah)

102

IP Rating

IP65

Cycle life

6000 Cycles @ 90% DOD/25°C/0.5C

Technical specifications

Parameter	SX-H-HV2	SX-H-HV4	SX-H-HV6
Battery			
Nominal Voltage (Vdc)	102.4	204.8	307.2
Operating Voltage (Vdc)	83.2-113.6	166.4-227.2	249.6-340.8
Battery Energy (kWh)	10.44	20.88	31.32
Charge Power (W)	5120	10240	15360
Discharge Power (W)	8192	16384	24576
Dimensions (W × D × H) (mm)	620x380x506	620x380x783	620x380x1060
Weight (Kg)	110 kg	200 kg	290 kg
Nominal Capacity (Ah)	102	102	102
Charge Current (A)	50	50	50
Discharge Current (A)	80	80	80
Display	4.3 inch (16:9) Touch Screen	4.3 inch (16:9) Touch Screen	4.3 inch (16:9) Touch Screen
Communication	CAN	CAN	CAN
Installation	Floor Stand	Floor Stand	Floor Stand
Working Temperature	Charge:0~45°C/Discharge: -20°C~55°C	Charge:0~45°C/Discharge: -20°C~55°C	Charge:0~45°C/Discharge: -20°C~55°C
Storage humidity	⩽95% RH	⩽95% RH	⩽95% RH
Warranty	5 years	5 years	5 years
Max Operating Altitude	⩽2000m	⩽2000m	⩽2000m
IP Rating	IP65	IP65	IP65
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 6 piles in parallel	Max 6 piles in parallel	Max 6 piles in parallel
Certificates	CE, UN38.3	CE, UN38.3	CE, UN38.3

Technical specifications

Parameter	SX-H-HV8	SX-H-HV10	SX-H-HV12
Battery			
Nominal Voltage (Vdc)	409.6	512	614.4
Operating Voltage (Vdc)	332.8-454.4	416-568	499.2-681.6
Battery Energy (kWh)	41.76	52.20	62.64
Charge Power (W)	20480	25600	30720
Discharge Power (W)	32768	40960	49152
Dimensions (W × D × H) (mm)	620x380x1337	620x380x1614	620x380x1891
Weight (Kg)	380 kg	470 kg	560 kg
Nominal Capacity (Ah)	102	102	102
Charge Current (A)	50	50	50
Discharge Current (A)	80	80	80
Display	4.3 inch (16:9) Touch Screen	4.3 inch (16:9) Touch Screen	4.3 inch (16:9) Touch Screen
Communication	CAN	CAN	CAN
Installation	Floor Stand	Floor Stand	Floor Stand
Working Temperature	Charge:0~45°C/Discharge: -20°C~55°C	Charge:0~45°C/Discharge: -20°C~55°C	Charge:0~45°C/Discharge: -20°C~55°C
Storage humidity	⩽95% RH	⩽95% RH	⩽95% RH
Warranty	5 years	5 years	5 years
Max Operating Altitude	⩽2000m	⩽2000m	⩽2000m
IP Rating	IP65	IP65	IP65
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 6 piles in parallel	Max 6 piles in parallel	Max 6 piles in parallel
Certificates	CE, UN38.3	CE, UN38.3	CE, UN38.3

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.