

Commercial & industrial storage

SX-HR-A

Featured configuration • SX-HR-A

System Energy Range

48.228kWh~1.446MWh

Battery module | Max Discharge Power

10.239KW

Battery module | Nominal Voltage

51.2V

Battery module | Nominal Capacity

314Ah

IP Rating

IP20

Cooling Method

Forced wind cooling

Technical specifications

Parameter	SX-HR-A
SX-HR-A	
Battery Type	LiFePO4 (LFP)
Battery module | Nominal Battery Energy	16.076kWh
Battery module | Usable Battery Energy	15.272kWh
Battery module | Nominal Capacity	314Ah
Battery module | Nominal Voltage	51.2V
Module Number per Cluster	3~15Pcs
System | Operating Voltage	134.4V~864V
System Energy Range	48.228kWh~1.446MWh
Recommended Charge & Discharge C Rate	0.5C(157A)
Max. Charge & Discharge C Rate	Charge 0.5C(157A),Discharge0.7C(200A)
Peak Discharge Current (25°C)	314A
Battery module | Recommended Charge & Discharge Power	8.038KW
Battery module | Max Discharge Power	10.239KW
Depth of Discharge (DOD)	90% DOD/25°C/0.5C
Charging Temp. Range	0°C~55°C
Discharging Temp. Range	-20°C~55°C
Net Weight (kg) [2]	53.5+140*n
Single Cluster Dimension (W/D/H) [3]	490/850/150+240*n(With bracket and cover plate)
IP Rating	IP20
Communication	CAN/RS485
Cycle Life [4]	⩾8000 Cycles
User Interface	WIFI+APP
Safety Protection	Built-in aerosol fire extinguisher
Cooling Method	Forced wind cooling
Installation	Cable stacking
Expansion	Up to 6 clusters in parallel
Warranty Period [5]	5 Years
Battery Module Name	SX-HR battery module
Certification & Safety Standard	UN38.3,CE
Compatible Inverters	Solis/Deye
Control module | system control unit	
Operating Voltage	130-1500
Maximum Continuous Current	250A

Technical specifications

Parameter	SX-HR-A
Dimensions (W × D × H)	440/800/230(Without bracket and cover plate)
Weight	35kg
IP Rating	IP20

Notes

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

Module voltage, module energy and module discharge power are not system AC ratings. System voltage and system energy range are listed separately. Control-module values follow in the same table.

[1] When more than 6 clusters are connected in parallel, a power distribution cabinet from our manufacturing partner is recommended.

[2] Net Weight of Expansion Base and Expansion Upper Cover:20kg.

[3] Height of Expansion Upper Cover: 80mm,."n" stands for the number of battery modules, up to a maximum of 4.If the installation is on an upper floor, you will need to evaluate the floor weighing before determining the number of stacks.

[4] Test conditions: 0.2C Charging & Discharging,25°C, 90%DOD, 70%EOL

[5] Refer to the warranty letter from our manufacturing partner.

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

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