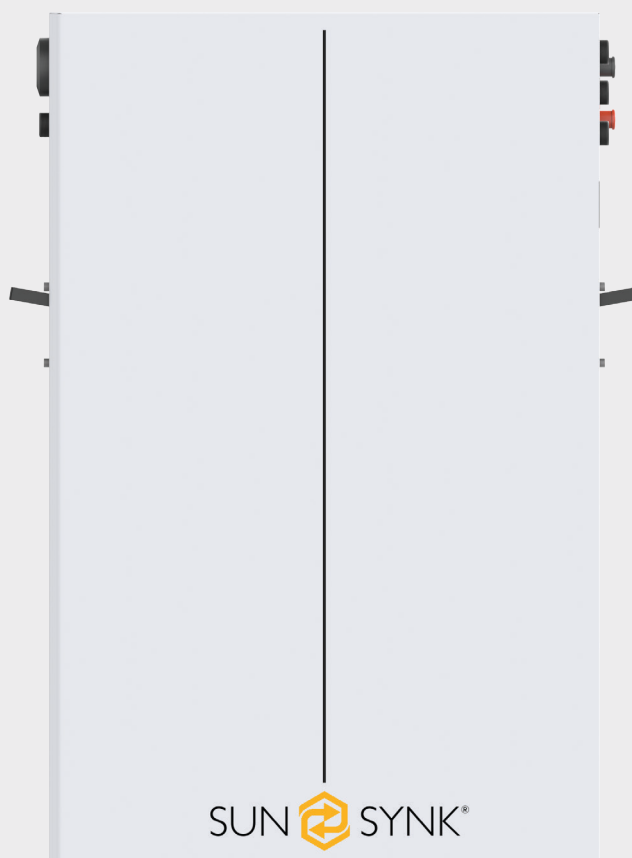




SUN-X-5.12-F



DATASHEET

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Model	SUN-X-5.12-F
Main Parameter	
Battery Chemistry	LiFePO ₄
Nominal Energy ^[1]	5.12kWh
Nominal Capacity	100Ah
Rated Voltage	51.2Vdc
Operating Voltage Range	43.2Vdc~57.6Vdc
Max. Charge/Discharge Current ^[2]	50A/100A
Scalability	Recommended ≤3, (Max. 8 in Parallel)
Other Parameter	
Depth of Discharge	95%
Communication	RS485, CAN, Wi-Fi (Optional)
Dimensions (WxDxH)	420x140x650mm
Weight	45kg
Operating Temperature	Charge: -10~50°C Discharge: -20~50°C
Humidity	5~95%RH, No Condensation
Altitude	<2000m
Protection Level	IP65
Protective Class	Class I
Installation	Wall-mounted, Floor-to-battery
Cycle Life	>6000@25°C@0.5C
Certification	IEC62619, CE, UN38.3, ROHs
Warranty	5 Years/10 Years The warranty period depends on the final installation site of the inverter. For more information please refer to warranty policy.
Manufacturer Country	China

^[1]Test conditions: Fresh battery, cell voltage 2.0~3.65V, 25 ± 2°C , 0.5C charge and 0.5C discharge.

^[2] Dependent on the temperature and SOC of the battery.



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