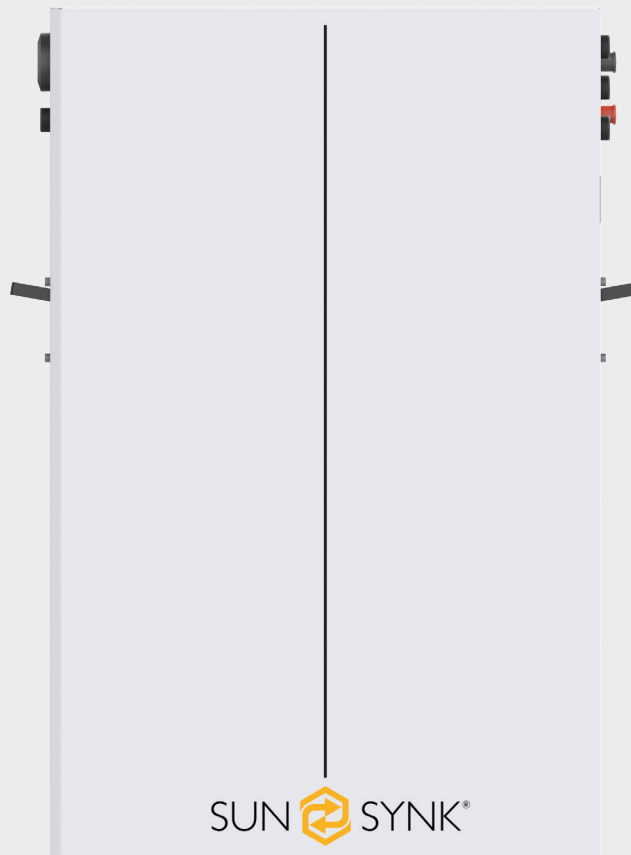




SUN-X-5.12-F



DATASHEET

www.sunsynk.com
sales@sunsynk.com
customerservices@sunsynk.com

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	46kg
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.



Contact Us

Call +44 151 832 4300 **Email** sales@sunsynk.com **Website** www.sunsynk.com

- Address**
- HK** Room 702-704, 7/F Texwood Plaza, 6 How Ming Street, Kwun Tong, Kowloon, Hong Kong
 - UK** Sunsynk UK Ltd, 17 Turnstone Business Park, Mulberry Avenue, Widnes, Cheshire, WA8 0WN
 - SA** Unit 2, 3 & 4, 80 Highview Blvd, Ferndale, Randburg, 2160, South Africa
 - NL** Sunsynk NL BV, Henri Wijnmalenweg 8, 5657 EP Eindhoven, Netherlands
 - AU** Level 1, 982-988 Wellington Street, West Perth WA 6005, Australia
 - ES** Tafetana, 32 P.I. Las Andoriñas 38639 Las Chafiras Santa Cruz de Tenerife
 - US** 100 S. Ashley Drive, Suite 600, Tampa, Florida, 33602, United States of America