



SUNSYNK-G5.1



DATASHEET

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

Model		SUNSYNK-G5.1
Main Parameter		
Battery Chemistry		LiFePO ₄
Capacity		100 (Ah)
Scalability		Max. 32 pcs in parallel (163.8kWh)
Nominal Voltage		51.2 V
Operating Voltage		44.8~57.6 V
Energy		5.12 kWh
Usable Energy ^[1]		4.61 kWh
Charge/Discharge Current	Recommend ^[2]	50 A
	Max. ^[2]	100 A
	Peak (2mins,25°C)	150 A
Other Parameter		
Recommend Depth of Discharge		80%
Dimension (W/H/D)		440*600*133 mm (don't include Circuit Breaker, terminals and hanging boards)
Weight		44 kg
Master LED Indicator	5 LED (SOC 20%~100%)	
	3 LED (working, alarming, protecting)	
IP Rating of Enclosure		IP20
Working Temperature		Charge: 0°C ~ +55°C Discharge: -20°C ~ +55°C
Storage Temperature		-20°C ~ +35°C
Humidity		5% ~ 95%
Altitude		≤2000m
Cycle Life		≥6000 (25±2°C, 90%DOD, 0.5C/0.5C, 70%EOL)
Installation		Wall Mounted (Support 19-inch standard cabinet)
Communication Port		CAN2.0, RS485
Life Cycle Power During Warranty Period ^[3]		8MWh@70%EOL
Certification		CE, UK, UN38.3

^[1]DC Usable Energy, test conditions: 90% DOD, 0.2C charge & discharge at 25° C. System usable energy may vary due to system configuration parameters.

^[2] The current is affected by temperature and SOC.



DC 125A Circuit Breaker





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