



SUNSYNK-G5.3



DATASHEET

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Model		SUNSYNK-G5.3
Main Parameter		
Battery Chemistry		Lithium Ferro Phosphate (LifePO4 or LFP)
Capacity		104 Ah
Scalability		Max. 32 pcs in parallel (170kWh)
Nominal Voltage		51.2 V
Operating Voltage		43.2~57.6 V
Energy		5.32 kWh
Usable Energy ^[1]		4.79 kWh
Charge/Discharge Current	Recommend ^[2]	50 A
	Max. ^[2]	100 A
	Peak (2mins,25°C)	150 A
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D)		440*600*133.2 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 (optional heating: -20°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]		16MWh@70%EOL
Certification		CE, UK, UN38.3

^[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25° C. System usable energy may vary due to system configuration parameters.

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

^[3] The warranty is due whichever reached first of warranty period or energy throughout.




DC 125A Circuit Breaker








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