



# SUNSYNK-G5.3



## DATASHEET

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Model		SUNSYNK-G5.3
<b>Main Parameter</b>		
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 <sup>[1]</sup>	4.79 kWh	
Charge/Discharge Current	Recommend <sup>[2]</sup>	50 A
	Max. <sup>[2]</sup>	100 A
	Peak (2mins,25°C)	150 A
<b>Other Parameter</b>		
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 <sup>[3]</sup>	16MWh@70%EOL	
Certification	CE, UK, UN38.3	

<sup>[1]</sup> DC Usable Energy, test conditions: 90% DOD, 0.3C charge & discharge at 25° C. System usable energy may vary due to system configuration parameters.

<sup>[2]</sup> The current is affected by temperature and SOC.

<sup>[3]</sup> The warranty is due whichever reached first of warranty period or energy throughout.



DC 125A Circuit Breaker





## CONTACT US

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