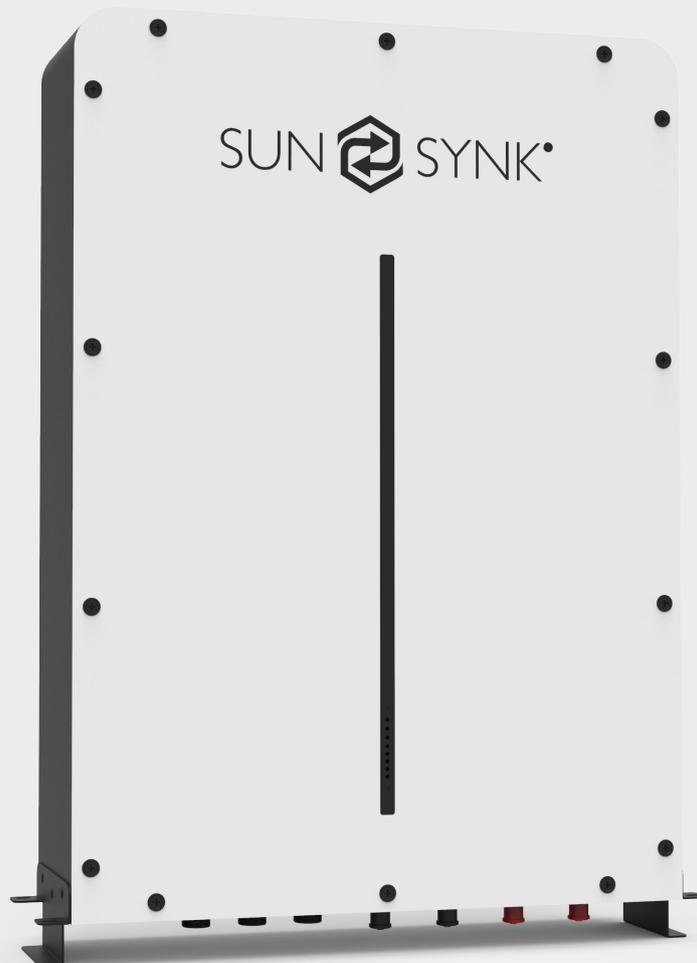




SUNSYNK-L5.3



DATASHEET

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v.7 (18/07/24)

 **PLEASE RETAIN FOR
FUTURE REFERENCE**

Model		SUNSYNK-L5.3
Main Parameter		
Battery Chemistry	Lithium Ferro Phosphate (LifePO ₄ 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	
Rated DC Power	2.5 kW	
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*620*135 mm (don't include Circuit Breaker, terminals and hanging boards)	
Weight Approximate	46 kg	
Master LED Indicator	5 LED (SOC 20%~100%)	
	3 LED (working, alarming, protecting)	
IP Rating of Enclosure	IP65	
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	IEC62619, CE, UK, CEC, UN38.3	
Manufacturer's country	China	

^[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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