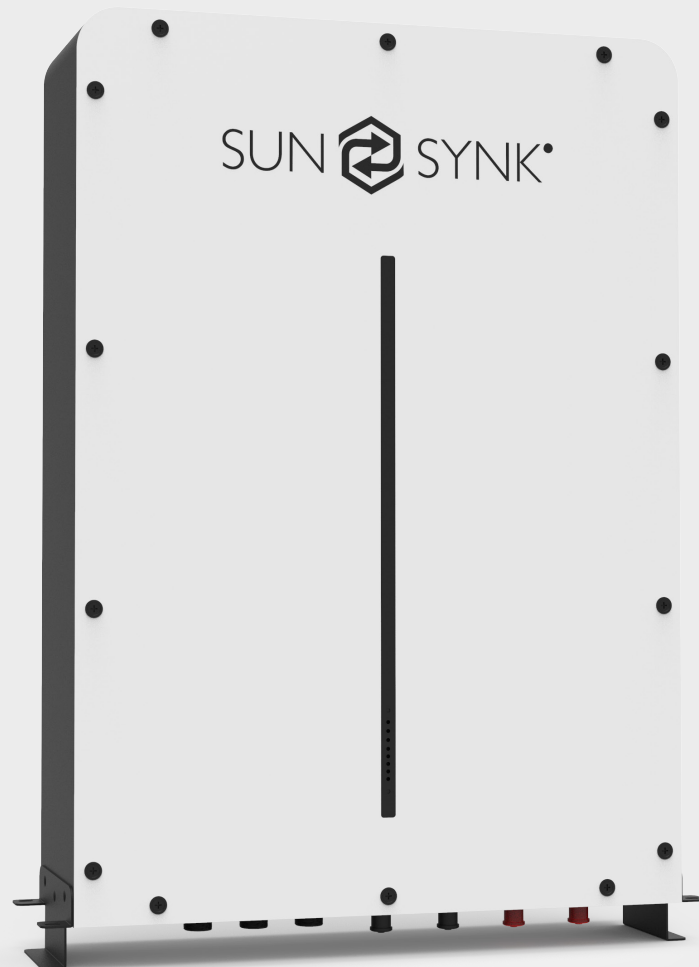




SUNSYNK-L5.3



DATASHEET

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Product Identification Labels

SUNSYNK®

423

SUNSYNK-L5.3

IFpP53/149/120/[1P16S]M/-20+50/95

	① 104 Ah	② 5.32kWh	③ 100 A
	④ 51.2 V _{DC}	⑤ 43.2 V _{DC min}	⑥ 57.6 V _{DC max}
	 0°C _{min} +55°C _{max}	 -20°C _{min} +55°C _{max}	 -20°C _{min} +35°C _{max}
	LiFePO ₄ (LFP)		⑩ IP65
			IEC 62619 UN38.3
			
			
SN: XXXXXXXXXXXXXXXXXXXX			
www.sunsynk.com			

Item	Requirement	SUNSYNK-L5.3
1	Rated Capacity	104 Ah
2	Battery Usable Energy	5.32 kWh
3	Max. Charge & Discharge Current	100 A
4	Rated Voltage	51.2 Vdc
5	Min. Operating Voltage	43.2 Vdc
6	Max. Operating Voltage	57.6 Vdc
7	Min./Max. Charge Temperature	0 °C / 55 °C
8	Min./Max. Discharge Temperature	-20 °C / 55 °C
9	Min./Max. Storage Temperature	-20 °C / 35 °C
10	Ingress Protection Rating	IP65

Technical Specifications

Model		SUNSYNK-L5.3
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*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 ^[3]		≥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 ^[4]		16MWh@70%EOL
Certification		IEC62619, CE, UK, CEC, UN38.3
Warranty		10 Years
Manufacturer 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 cycle life specification of ≥6000 cycles refers to laboratory test performance under controlled conditions.

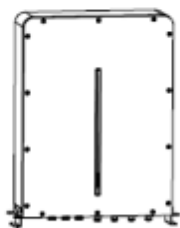
^[4] The warranty is due whichever reached first of warranty period or energy throughout. The stated 16 MWh throughput represents the warranted limit for product performance and warranty enforcement.



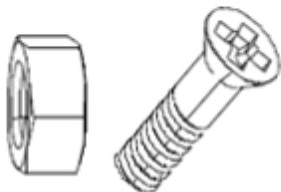
DC 125A Circuit Breaker



System Components



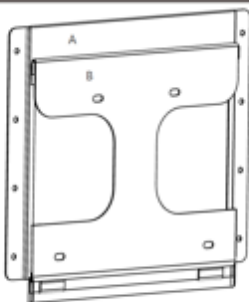
Battery Pack x1



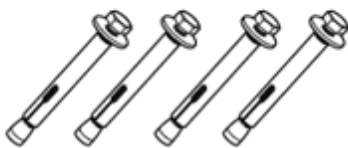
Stainless Steel Mounting
Screws M6*16x4
Flange Nuts M6 x4



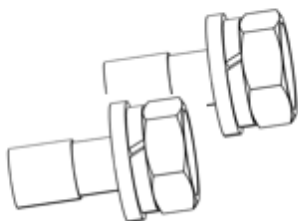
0.6 mm Ground Wires x1



Hanging Board x1



Stainless Steel Anti-Collision
Bolt M6x100
x4



Hanging Board Mounting
Screws M6*10 x8



Pamphlet x1



Power Cables x2
BMS Cable x1



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