SUNSYNK-W5.3

DATASHEET

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v.2 (04/06/24)

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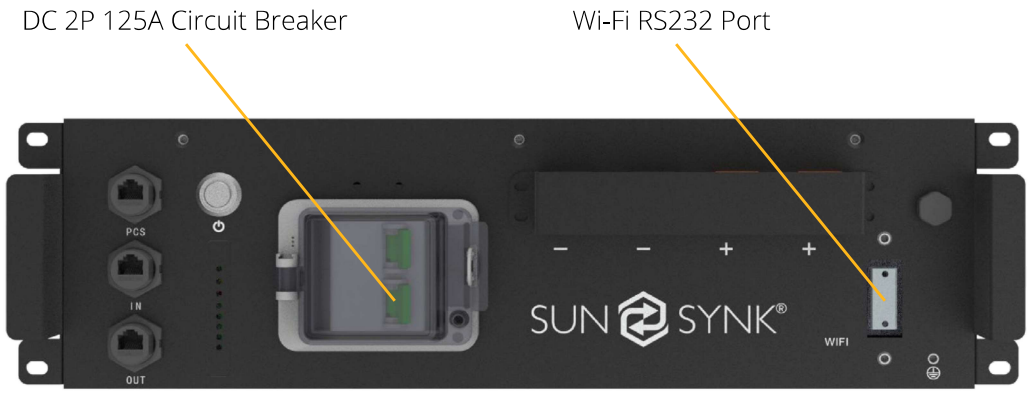
Model		SUNSYNK-W5.3
Main Parameter		
Battery Chemistry		$LiFePO_4$
Capacity (Ah)		104
Scalability		Max.32 pcs in parallel (170kWh)
Nominal Voltage (V)		51.2
Operating Voltage (V)		43.2~57.6
Energy (kWh)		5.32
Usable Energy (kWh) [1]		4.79
Charge/Discharge Current (A)	Recommend [2]	50
	Max. [2]	100
	Peak (2mins,25°C)	150
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W x H x Dmm)		440 x 620 x 135 (doesn't include circuit breaker, terminals and hanging board)
Weight (kg)		46
Master LED Indicator		5 LED (SOC 20%~100%)
		2 LED (working, protecting)
IP Rating of Enclosure		IP65
Working Temperature		Charge: -10°C ~ +55°C Discharge: -20°C ~ +55°C
Storage Temperature		0°C ~ +35°C
Humidity		5% ~ 95%
Altitude		≤2000m
Cycle Life		≥6000 (25±2°C,90%DOD,0.5C/1C,70%EOL)
Installation		Wall-Mounted (supports 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

[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.



SUN SYNK®

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