



# SUNSYNK-L5.1



## DATASHEET

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Main Parameter		SUNSYNK-L5.1
Battery Chemistry		Lithium Ferro Phosphate (LifePO4 or LFP)
Capacity		100 Ah
Scalability		Max. 32 pcs in parallel (163.8kWh)
Nominal Voltage		51.2 V
Operating Voltage		43.2~57.6 V
Energy		5.12 kWh
Usable Energy <sup>[1]</sup>		4.61 kWh
Charge/Discharge Current	Recommend <sup>[2]</sup>	50 A
	Max. <sup>[2]</sup>	100 A
	Peak (2mins,25°)	150 A
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D)		440*620*135mm (don't include Circuit Breaker, terminals and hanging boards)
Weight Approximate		50kg
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
Installation		Wall Mounted or 19-inch standard cabinet
Communication Port		CAN2.0, RS485
Certification		IEC62619, CE, 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.



## CONTACT US

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