



SUNSYNK-L5.1



DATASHEET

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Main Parameter		SUNSYNK-L5.1
Battery Chemistry		Lithium Ferro Phosphate (LifePO4 or LFP)
Capacity (Ah)		100
Scalability		Max. 32 pcs in parallel (163.8kWh)
Nominal Voltage (V)		51.2
Operating Voltage(V)		43.2~57.6
Energy (kWh)		5.12
Usable Energy (kWh) ^[1]		4.61
Charge/Discharge Current (A)	Recommend ^[2]	50
	Max. ^[2]	100
	Peak(2mins,25°)	150
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D, mm)		440*620*135
Weight Approximate(kg)		50
Master LED indicator 3 LED (working, alarming, protecting)		5 LED (SOC 20%~100%)
IP Rating of enclosure		IP65
Working Temperature		Charge: 0°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.



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