

51.2 v

100 Ah

ENERGY STORAGE BATTERY



LiFePO4



Bluetooth



5.12 kWh

MSR



8000
Cycles

5.12 Kwh LiFePO4 Energy Storage System

Model	MSR-51100
Battery Type	LiFePO4
Nominal Voltage	51.2 V
Nominal Energy	5.12 kWh
Nominal Capacity	100 Ah
Operating Voltage Range	45.6 V ~ 56.16 V
Standard Charging Current	50 A
Maximum Continuous Charging Current	100 A
Cut-Off Charging Voltage	58.4 V
Cut-Off Charging Current	1 A
Standard Discharge Current	100 A
Maximum Continuous Discharge Current	150 A
Maximum Pulse Discharge Current	200 A
Cut-Off Discharge Voltage	45.6 V
Cut-Off Discharge Current	1 A
Dimensions	160 mm × 410 mm × 615 mm
Weight	52 ± 3 kg
Communication Port	RS485 / CAN / RS232 / Bluetooth
Parallel Number	17
Working Temperature/Charge	0 °C ~ +55 °C
Working Temperature/Discharge	-20 °C ~ +60 °C
Ingress Protection	IP54
Cooling Type	Natural Cooling
Humidity	10%–96%
Altitude (m)	2000 m
Shell Material	Metal
Current Limiting Function	10 A
Precharge Function	Enable
Display Mode	LED SOC Bar
Design Life	15 Years
Cycle Life	>8000 @ 25 °C, 0.5C, 90% DOD
Application Support	Yes

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