

AMENSOLAR

AM5120S LiFePO4 Battery

- EVE battery cell
- 51.2V/100Ah/5.12KWh
- Being paralleled 16 sets
- Multifunctional Combination



Easy to be installed

Plug-and-play Wiring can be done from either side



LFP Prismatic Cell

High quality lithium iron phosphate cells
Proven Li-ion battery management solutions



51.2V low-voltage

support 16 sets parallel connection



BMS

Real-time control and accurate monitor in single cell voltage, current and temperature, ensure battery safety



Multifunctional Combination



Model	AM5120S
Battery Type	LFP(LiFePO4)
Mount Type	Rack Mounted
Nominal Voltage(V)	51.2
Capacity(Ah)	100
Nominal Energy (KWh)	5.12
Operating Voltage(V)	44.8~57.6
Max Charge Current(A)	100
charging Current(A)	50
Max Discharge Current(A)	100
discharging current(A)	50
charging Temperature	0°C~55°C
Discharging Temperature	-20°C~55°C
Relative Humidity	5% - 95%
Dimension (L*W*H mm)	442*480*133
Weight(KG)	43±0.5
Communication	CAN, RS485
Enclosure Protection Rating	IP52
Cooling Type	Natural Cooling
Cycles Life	≥6000
Recommend DOD	90%
Design Life	20+ Years (25°C@77 °F)
Safety Standard	UN38.3;CE
Max. Pieces of Parallel	16