



A Series LifePo4 Battery

A5120 Rack Mounted

51.2V/100Ah/5.12KWh



Cycle life

>6000 Cycles @ 90%DOD



Consistency of battery cells

Active equalization (3A)
Settable charging voltage



2U Thickness

88mm: Larger capacity in limited space
Multi installation methods



Scalable: paralleled 16 sets

Battery: 5.12kWh; Cabinet: 51.2kWh;
Paralled 6 cabinets 307.2kWh



Intelligent BMS

Wider compatibility;



Car-grade LiFePo4 battery

Compact, safe, stable, flexible



Auto-heating function

Heating below 0 °C
BMS automatic management



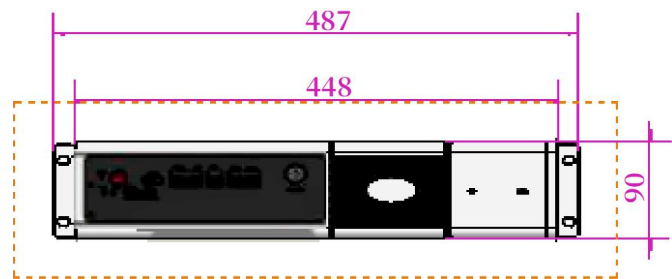
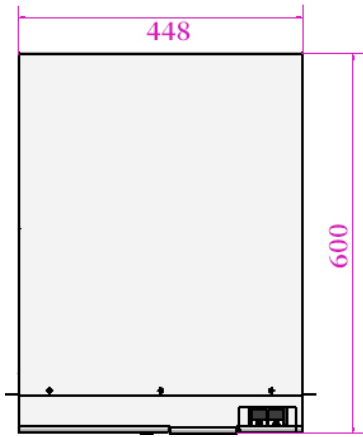
Customizable

Indoor or outdoor cabinets as request



Web

www.amensolaress.com



Model	A5120
Certificate Model	YNJB16S100KX - L
Nominal Voltage	51.2V
Voltage Range	44.8V~57.6V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Charge Current	50A
Max Charge Current	100A
Discharge Current	50A
Max Discharge Current	100A
Charge Temperature	0℃~+55℃
Discharge Temperature	-20℃~+55℃
Battery Equalization	Active 3A
Heating Function	BMS automatic management when charging temperature below 0℃ (Optional)
Relative Humidity	5% - 95%
Dimension(L*W*H)	496*600*88mm
Weight	43±0.5KG
Communication	CAN, RS485
Enclosure Protection Rating	IP20
Cooling Type	Natural Cooling
Cycle Life	≥6000
Recommend DOD	90%
Design Life	20+ Years (25℃@77°F)
Safety Standard	CUL1973/UL1973/CE/IEC62619/UN38.3
Max. Pieces of Parallel	16