




Features

 **Cycle life**
≥6000 Cycles @ 90%DOD

 **Car-grade LiFePO4 battery**
Intelligent BMS

 **Better battery consistency**
Active equalization (3A)
Settable charging voltage

 **Upgradable battery capacity**
Single battery 5.12Kwh--Single cabinet
51.2Kwh--Paralled 6 cabinets 307.2Kwh

 **2U thickness, more compact**
Multi installation methods
More capacities into limited space

 **Wider compatibility**

 **Wider temperature range**
Heating function

 **Customizable indoor or outdoor cabinets**

YNJB16S100KX-L

Parameter	
Rated voltage(V)	51.2
Voltage range(V)	44.8~57.6
Nominal capacity(Ah)	100
Rated energy(Wh)	5120
Rated discharge current(A)	50
Maximum discharge current(A)	100
Rated charging current(A)	50
Maximum charging current(A)	100
Maximum discharge power(W)	5120
Maximum charging power(W)	4000
Charge/discharge efficiency	≥95% DOD
Voltage sampling	16S
Battery equalization	Active equalization 3A
Operating temperature range(°C)	Charge 0~45 Discharge -20~55
Storage temperature(°C)	0-25°C/12 months
Dimension(L*W*H,mm)	600*448*90
Weight(KG)	40±1
Communication	RS485/CAN
Enclosure protection Rating	IP52
Cycle life	≥6000(25°C)
Additional function (Optional)	
Heating function	Heating when charging temperature below 0°C (BMS automatic management)
Certificates	
Safety Standard	UL1973/CUL1973/IEC62619/60730/CE/UN38.3