

3 Technical Data

Basic Parameters	Specification
Battery Type	LiFePO ₄ , Lithium Iron Phosphate
Nominal Capacity (Ah)	100AH
Nominal Voltage (V)	51.2Vdc
Total Energy	5120Wh
Usable Energy(90% DOD)	4600Wh
Charge Voltage (V)	55.68~56.16Vdc
Discharge Voltage (V)	45.6-56.16Vdc
Nominal Charge Current(A)	50A
MAX. Charge Current(A)	50A
MAX Charge Power(W)	2800W
Nominal Discharge Current(A)	50A
Nominal Discharge Power(W)	2560W
Max. Discharge Current(A)	75A
Max. Discharge Power(W)	3500W
Short Current(A)	350A
Communication	RS232、RS485、CAN
Working Temperature	0°C ~ 55°C
Storage Temperature	≤25°C, 12 months; ≤35°C, 6 months; ≤45°C, 3 months

Operating humidity	≤ 95%RH
Storage humidity	≤ 95%RH
Max.Operating Altitude	≤2000m
Scalable	Suggest up to 4
Enclosure Protection Rating	IP20
Net Weight(Kg)	55Kg
Dimension (mm)	480mm*211.5mm*600mm
Certification	IEC62619、UN38.3、IEC62040-1、SAA etc.
Cycle Life	6000 Cycles @ 80% DOD / 25°C / 0.5C, 60% EOL

Note: Operating current derating according to cell voltage and battery temperature.

4 Technical Items

No.	Terms	Comment
1	Discharge	Battery output power for load
2	Charge	To put electricity into battery by charger
3	Full charge	Battery had been full charged, SOC is 100%.
4	Standby	Ready for charging or discharging
5	Shutdown	Power off
6	SOC	State of Charge(Useable capacity)
7	Battery voltage	The voltage between B+/B-
8	Cell voltage	Single cell voltage
9	Pack voltage	The voltage between P+/P-
10	Alarm	Indicate that the battery is in abnormal status
11	Protect	Battery stops charging or discharging and is recoverable
12	Fault	Battery or BMS is broken, need to be replaced
13	Over discharged	Battery is lack of electricity, and needs to be recharged in time