

- ◆ Modular New Design
- ◆ Grade A new Cells by HITHIUM
- ◆ Long Cycle Times OVER 10,000 Cycle
- ◆ Smart Build in BMS Control Technology
- ◆ Matching Various Inverters
- ◆ Support RS485 /CAN
- ◆ On-grid/Off-grid Application
- ◆ Support Parallel Function
- ◆ 5 year Warranty



Applications



BATTERY SPECIFICATIONS

Battery Cell Type	LiFePO4(LFP)
Cell Configuration	16S1P
Rated Voltage(V)	51.2
Rated Capacity(AH)	280
Rated Energy(kWh)	14.336
Case Material	SPCC
AH Efficiency-round trip	> 98%
Self Discharge per Month	< 3%
Battery Size (L×W×H:mm)	580×351.5×762
Battery Weight(KG)	120±5
LCD display	YES
Max in Parallel	15PCS
Max in Series	Not Allowed

BATTERY SPECIFICATIONS

Voltage Range(V)	44 ~ 56.8
Recommend Charge Voltage	56.8V
Max Charge Voltage	57.6V
Recommend Discharge Voltage	46.4V
Min Discharge Voltage	44V
Rated Charge Current	140A
Max Charge Current	150A
Rated Discharge Current	140A
Max Discharge Current	155A@8S
Charge Temp	0-45°C
Discharge Temp	-10-55°C
Cycle Times@70% residual	8000 @80%DOD,0.5C/0.5C, RT 25°C
Cells Life Time	more than 10000 Cycle

BMS CHARACTERISTICS

Primary Charging Current Alarm	150A
Second Charging Current Protection	155A Delay Time: 8s
Primary Discharging Current Alarm	150A
Second Discharging Current Protection	155A Delay Time: 8s
Over Charge Voltage Protection	57.6V
Over Discharge Voltage Protection	44V
Over Charge Protection Release	Restart or Protection Release
Over Discharge Protection Release	Charging or Cut off loads and Restart
Temperature MOS Protection	115°C
Communication	RS485 /CAN/Dryport
Matched Inverter	Growatt, Voltronic, Sofar, Luxpower, WOW, GoodWe, Victron, Sorotec GINLONG, Schneider, Senergy, SMA, MUST, TBB, STUDER, PYLON