

LFP-R 14.33KWH

LiFePO4 Battery Module



• Features

- 16PCS 280AH LiFePO4 cells
- 51.2Vdc 14.33KWH rated capacity.
- Long cycle life 6000 times.
- Unique automatic calibration active banlancing technology BMS syestem.
- Modular, can be compatible with a variety of housing.
- Standard CAN &RS485 communication port, can meet the require ment of several packages to connect in parallel, Master & Slave relationship, Monitor and other functions.Compatible with other brand inverters' communication protocols.

• Applications



Self-Consumption



Off grid



Demand Charge



Back Up



DG+BESS



Micro-grid



Smooth output



Peak Shifting

LFP-R 14.33kWh LiFePO4 Battery Module		
Specification		Mechanical Characteristics
Model	LFP-R 51280H	Dimension H*W*D
Rated Voltage	51.2V	250*547*763mm
Rated Capacity	280Ah	Weight (N.W.)
Rated Energy	14.33KWH	103±3Kg
Cell Configuration	16S1P	Weight(G.W.)
Battery Cell	3.2V280AH 16PCS(EVE LF280K)	103±3Kg
Life cycles (80%SOH,25°C)	6000 Cycles	Storage and Transportation Requirements
Standard Charge		Storage and Transportation Requirements
Operation temperature range @charging	0~60°C	Storage Temperature
Rated charge voltage	56.8V	Less than 1month -20~45°C
Max. charge voltage	57.6V	Less than 6month -10~30°C
Overcharge protection	58.4V	Storage Humidity
Allowed MAX charge current	140A	45~75%RH
Peak charge current	150A	
Rated charge current	140A	
Recommend charge current	≤140A	
Standard Discharge		SOC
Operation temperature range @discharging	-30~60°C	Storage
Output Voltage Range	44.8~57.6Vdc	60~75% SOC
Recommend Working Range	46.4~56.8Vdc	
Discharge Cut-off voltage	44.8V	Transport
Allowed MAX discharge current	280A	45~55% SOC
Peak discharge current	280A	
Rated discharge current	140A	
Recommend discharge current	≤140A	