

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 balancing technology BMS system.
- Modular, can be compatible with a variety of housing.
- Standard CAN & RS485 communication port, can meet the requirement 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	250*547*763mm
Rated Voltage	51.2V	Weight (N.W.)	103±3Kg
Rated Capacity	280Ah	Weight(G.W.)	103±3Kg
Rated Energy	14.33KWH	Storage and Transportation Requirements	
Cell Configuration	16S1P	Storage Temperature	Less than 1month -20~45°C
Battery Cell	3.2V280AH 16PCS(EVE LF280K)		Less than 6month -10-30°C
Life cycles (80%SOH,25°C)	6000 Cycles	Storage Humidity	45~75%RH
Standard Charge		SOC	Storage 60~75% SOC
Operation temperature range @charging	0~60°C		Transport 45~55% SOC
Rated charge voltage	56.8V		
Max. charge voltage	57.6V		
Overcharge protection	58.4V		
Allowed MAX charge current	140A		
Peak charge current	150A		
Rated charge current	140A		
Recommend charge current	≤140A		
Standard Discharge			
Operation temperature range @discharging	-30~60°C		
Output Voltage Range	44.8~57.6Vdc		
Recommend Working Range	46.4~56.8Vdc		
Discharge Cut-off voltage	44.8V		
Allowed MAX discharge current	280A		
Peak discharge current	280A		
Rated discharge current	140A		
Recommend discharge current	≤140A		