

## LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY LP2800 Series

5.12/10.24/16.07KWH | WiFi | IP65

The LP2800 Series wall mounted Lithium battery (LiFePO4 Battery) solutions are highly integrated, deep cycle backup power solutions for your solar home energy storage system. Energy capacities ranging 5120Wh, 10240Wh, 15360Wh or 16076Wh with rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long service life, and easiness of installation and expansion.



- Floor-mounted/ Wall-mounted
- Standard warranty: 10 years
- ≥6000(25°C+2°C,80%DOD,70%EOL)
- Large capacity, high power output
- Safest lithium iron phosphate battery cell with high energy density
- 15 Units in parallel maxium
- IP65 protection for both indoor and outdoor use
- Support CAN & RS485 communication with mainstream inverters
- Easy-To-Read monitoring
- Integrated battery management system (BMS)
- Built-in WiFi Smart Module
- Battery parallel kit can be used to expand battery capacity more conveniently (optional; max. 15pcs)

### Application



Technical Data	LP28-48100	LP28-48200	LP28-48300	LP28-48314
<b>ELECTRICAL</b>				
Nominal Voltage	51.2V			
Nominal Capacity	100Ah	200Ah	300Ah	314Ah
Operating Voltage Range	43.2 ~ 56.8V			
Max. Charging Current	100A	120A	200A	150A
Max. Output Power	5KW	6KW	10KW	7.5KW
<b>GENERAL</b>				
Nominal Energy	5120Wh	10240Wh	15360Wh	16076Wh
Usable Energy	5120Wh	10240Wh	15360Wh	16076Wh
Scalability	Max. 15 in parallel (76.8kWh)	Max. 15 in parallel (153.6kWh)	Max. 15 in parallel (230.4kWh)	Max. 15 in parallel (241.14kWh)
Design life	10+ Years at 25°C	10+ Years at 25°C	10+ Years at 25°C	10+ Years at 25°C
Cycles life	≥6000(25°C+2°C,80%DOD,70%EOL)			
<b>OPERATING</b>				
Charge Temperature	0~50°C			
Discharge Temperature	-20~60°C			
Storage Temperature	-5~35°C			
Humidity	5%~95% RH (No Condensation)			
Altitude	≤ 4000m			
Ingress Protection	IP65			
Install location	Indoor or outdoor without sunlight exposure			
Installation Mode	Floor-mounted/ Wall-mounted	Floor-mounted	Floor-mounted	Floor-mounted
Communication Interface	CAN/ RS485/ WIFI/ BLE			
Compatible Inverters	Compatible with over 25 mainstream inverter brands			
Warranty	10 years			
<b>MECHANICAL</b>				
Machine Dimension (W*H*D) (mm)	500*620*175	500*892.5*150	500*980*250	500*980*250
Package Dimension (W*H*D) (mm) (wooden box)	/	/	1050*435*625	1050*435*625
N.W (kg)	≈51	≈92	/	/
G.W (kg) (wooden box)	/	/	/	/
* Variations in dimensions and weights may occur due to production batches.				
<b>CERTIFICATION &amp; STANDARDS</b>				
UN38.3, EN 61000-6-1, EN 61000-6-3, IEC62619				

\*The technical specifications of this document are subject to change without any notice