LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

LP2800 Series

5.12~16.07 kWh | WiFi | IP65



High energy capacity

Up to 16.08kWh, expandable to 15 units in parallel.

Smart management

Built-in WiFi BMS for real-time intelligent control.

Large Touchscreen Display

Clear, intuitive interface for easy monitoring and control.
(only for LP28-51314 series)

Safety & Reliability

Built-in Explosion-proof function (Standard)
Fire Suppression function & Heating functions (optional)

Long service life

Over 8000 cycles and 10-years standard warranty.

Indoor & outdoor ready

IP65 protection ensures durability in any condition.

MUST®
Solar Power System

MAIN PARAMETER

MODEL	LP28-48100	LP28-48200	LP28-48300
GENERAL			
Battery Chemistry	$LiFePO_4$		
Built-in Circuit Breaker	125A1P, 60 Vdc	125A2P, 60 Vdc	
Nominal Voltage	51.2 V		
Capacity	100 Ah	200 Ah	300 Ah
Nominal Energy	5120 Wh	10240 Wh	15360 Wh
Usable Energy	5120 Wh	10240 Wh	15360 Wh
Scalability	Max. 15 in parallel (76.8 kWh)	Max. 15 in parallel (153.6 kWh)	Max. 15 in parallel (230.4 kWh)
Recommend Depth of Discharge	90%		
Design Life	10+ Years at 25°C		
Cycles life	>6000 cycles at 25°C		
ELECTRICAL			
Operating Voltage Range	43.2 ~ 56.8 V	43.2 ~ 56.8 V	43.2 ~ 56.8 V
Max. Charge/Discharge Current	100 A	150 A	200 A
Max. Output Power	5 kW	7.5 kW	10 kW

OTHER PARAMETER

MODEL	LP28-48100	LP28-48200	LP28-48300
OPERATING			
Charge Temperature	0-50°C		
Discharge Temperature	-20-55°C		
Storage Temperature	-20-35°C		
Humidity	5%-95% RH (No Condensation)		
Altitude	≤ 4000m		
Ingress Protection	IP65		
Communication Interface	CAN /RS485 /WIFI /BLE		
Compatible Inverters	MUST, Victron, Goodwe, Growatt, Solis, Sofar, Deye, Voltronic, SMA etc.		
Installation	Indoor / Outdoor, Floor/ Wall mounted	Indoor / Outdoor, Floor mounted	Indoor / Outdoor, Floor mounted
CERTIFICATION			
RoHS,MSDS,UN38.3, EN 61000-6-1, EN 61000-6-3, IEC62619, UL1973			
MECHANICAL SPECIFICATIONS			
Dimension (W*H*D)	512*640*150 mm	512*895*150 mm	512*980*250 mm
Weight	≈51 kg	≈98 kg	≈148 kg

* Variations in dimensions and weights may occur due to production batches.
* Specifications are subject to change without prior notice

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