

LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

LP1600T Series

2.56~16KWH | WIFI | Bluetooth

Built-in Fire Suppression Device

Automatically activates in case of an emergency

4.3-inch touch screen display

High-definition touch display for intuitive and easy operation

Flexible capacity options

From 2.56kWh to 16kWh, up to 15 units in parallel.

Built-in WiFi / Bluetooth

Support real-time remote monitoring

Integrated Enclosure Design

High-strength integrated structure for greater stability, durability, and reliability

Flexible Installation

Top-facing terminals support wall-mounted, stacked, and floor-standing installation



MAIN PARAMETER

Model		LP16-24100T	LP16-24200T	LP16-24300T	LP16-24314T	LP16-48100T	LP16-48200T	LP16-48300T	LP16-48314T
Battery Chemistry		LiFePO ₄							
Rated Capacity		100 Ah	200 Ah	300 Ah	314 Ah	100 Ah	200 Ah	300 Ah	314 Ah
Scalability		Max. 15 pcs in parallel							
Nominal Voltage		25.6V				51.2V			
Operating Voltage		22.4 V ~ 28.8 V				44.8 V ~ 57.6 V			
Nominal Energy		2.56 kWh	5.12 kWh	7.68 kWh	8 kWh	5.12 kWh	10.24 kWh	15.36 kWh	16 kWh
Charge Current	Recommended	50 A	100 A	150 A	150 A	50 A	100 A	150 A	150 A
	Max. Continuous	100 A	150 A	200 A	200 A	100 A	150 A	200 A	200 A
	Peak	110 A (3 sec)	160 A (3 sec)	210 A (3 sec)	210 A (3 sec)	110 A (3 sec)	160 A (3 sec)	210 A (3 sec)	210 A (3 sec)
Discharge Current	Recommended	50A	100A	150A	150A	50A	100A	150A	150A
	Max. Continuous	120 A	150 A	200 A	200 A	120 A	150 A	200 A	200 A
	Peak	150 A (10 sec)	160 A (3 sec)	210 A (3 sec)	210 A (3 sec)	150 A (10 sec)	160 A (3 sec)	210 A (3 sec)	210 A (3 sec)

OTHER PARAMETERS

Model		LP16-24100T	LP16-24200T	LP16-24300T	LP16-24314T	LP16-48100T	LP16-48200T	LP16-48300T	LP16-48314T
Recommend Depth of Discharge		80% DoD							
Dimension (W × D × H,mm) (Without hanging board)		492*442*152	493*442*225	539*442*225	539*442*225	632*442*152	693*442*225	470*238*915	470*238*915
Net Weight Approximate		26 kg	45 kg	57 kg	58 kg	44 kg	80 kg	113.5 kg	115 kg

*Variations in dimensions and weights may occur due to production batches.

IP Rating of Enclosure	IP21		
Operating Temperature	Charge: 0~50°C / Discharge: -20~55°C		
Storage Temperature	-5~35°C		
Relative Humidity	95% (non-condensing)		
Altitude	≤3000m		
Cycle Life	≥6000(25°C±2°C,70%EOL)		
Installation	Wall-Mounted,Floor-Mounted,Stack-Mounted		Floor-Mounted
Communication	CAN2.0,RS485,Bluetooth/Wifi+APP		
Certification	UN38.3,MSDS,CE		

*Specifications are subject to change without prior notice