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

MUST × ENERGYFY

MAIN PARAMETER

Model		LP16-24100T	LP16-24200T	LP16-24300T	LP16-48100T	LP16-48200T	LP16-48300T
Battery Chemistry		$LiFePO_4$					
Rated Capacity		100 Ah	200 Ah	300 Ah	100 Ah	200 Ah	300 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	5.12 kWh	10.24 kWh	15.36 kWh
Charge Current	Recommended	50 A	100 A	150 A	50 A	100 A	150 A
	Max. Continuous	100 A	150 A	200 A	100 A	150 A	200 A
	Peak	110 A (3 sec)	160 A (3 sec)	210 A (3 sec)	110 A (3 sec)	160 A (3 sec)	210 A (3 sec)
Discharge Current	Recommended	50A	100A	150A	50A	100A	150A
	Max. Continuous	120 A	150 A	200 A	120 A	150 A	200 A
	Peak	150 A (10 sec)	160 A (3 sec)	210 A (3 sec)	150 A (10 sec)	160 A (3 sec)	210 A (3 sec)

OTHER PARAMETERS

Model		LP16-24100T	LP16-24200T	LP16-24300T	LP16-48100T	LP16-48200T	LP16-48300T
Recommend Depth of Discharge		80% DoD					
Dimension (W × D × H,mm) (Without hanging board)		492*442*152	493*442*225	539*442*225	632*442*152	693*442*225	470*238*915
Package Dimension (W × D × H,mm)	carton box	547*557*227	547*557*300	530*615*305	557*688*227	560*750*305	/
	wooden box	/	/	/	/	569*759*405	1005*557*419
Net Weight Approximate		26	45	57	44	80	113.5
G.W (kg)	carton box	29	49	71	79	86	/
	wooden box	/	/	/	/	97	130
*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 & Standards		CE-EMC (EN 61000-6-3: 2007+A1: 2011+AC: 2012 EN IEC 61000-6-1: 2019) IEC62619-1:2018; IEC62619:2022; IEC62619:2017; UN38.3/ MSDS					

*Specifications are subject to change without prior notice

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