

LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

LP1600 Series

2.56~30.72KWH | WIFI | Bluetooth



High energy capacity

Scalable from 2.56kWh to 30.72kWh for diverse needs

Ultimate Installation Flexibility

Wall, stack, rack, or wheeled floor—fit your space, your way

High power, stable performance

Consistent energy output for residential and industrial systems

Modular & expandable

Connect up to 15 units in parallel with ease

Smart connectivity

Built-in WiFi/Bluetooth for real-time remote monitoring

Seamless integration

Supports CAN & RS485 communication with major inverters



MAIN PARAMETER

Technical Data		LP16-24100	LP16-24200	LP16-24300	LP16-48100	LP16-48200	LP16-48300	LP16-48314	LP16-48410	LP16-48600
Nominal Voltage		25.6V			51.2V					
Nominal Capacity		100Ah	200Ah	300Ah	100Ah	200Ah	300Ah	314Ah	410Ah	600Ah
Nominal energy		2560Wh	5120Wh	7680Wh	5120Wh	10240Wh	15360Wh	16076Wh	20992Wh	30720Wh
Max. output power		2.5KW	3.5KW	5KW	5KW	7.5KW	10KW	10KW	10KW	10KW
Life Cycles		≥6000(25°C+3°C)								
Recommended Charge Voltage		29.2V			58.4V					
Recommended Charge Current		20A	40A	60A	20A	40A	60A	60A	80A	120A
End Of Discharge Voltage		22V			44V					
Standard Method	Charge	20A	40A	60A	20A	40A	60A	60A	80A	120A
	Discharge	50A	100A	150A	50A	100A	150A	150A	150A	150A
Maximum Continuous Current	Charge	100A	150A	200A	100A	150A	200A	200A	200A	200A
	Discharge	100A	150A	200A	100A	150A	200A	200A	200A	200A
BMS Cut-Off Voltage	Charge	29.2V (3.65V/Cell)			58.4V (3.65V/Cell)					
	Discharge	22.0V (2.75V/Cell)			44.0V (2.75V/Cell)					
Temperature	Charge	0~50°C								
	Discharge	-20~55°C								
Storage Temperature		-5~35°C								
Shipment Voltage		≥25.6V			≥51.2V					
Safety Function		Over-charge, Over-discharge, Over-current, Low/High-temperature, Short-circuit Protections								
Module Parallel		Up to 15 units								

OTHER PARAMETER

Technical Data		LP16-24100	LP16-24200	LP16-24300	LP16-48100	LP16-48200	LP16-48300	LP16-48314	LP16-48410	LP16-48600
Communication		CAN2.0/RS232/RS485								
IP Protection level		IP21								
Case Material		SPCC								
Installation Mode		Wall-mounted, Stacked-mounted, Rack-mounted(optional)					Vertical-mounted			
Machine Dimension (W*H*D) (mm)		442*485.5*177	442*486.5*250	442*495*230	442*625.5*177	442*686.5*250	490*923*265		600*1093*264	744*1093*264
Package Dimension (W*H*D) (mm)	carton box	547*227*557	547*300*557	530*305*615	557*227*688	560*305*750	/		/	/
	wooden box	/	/	/	/	569*405*759	1000*565*450		1194*701*440	1225*870*400
N.W (kg)		27	45	58	45	81	117		170	208
G.W (kg)	carton box	29	49	71	79	86	/		/	/
	wooden box	/	/	/	/	97	137		194	234

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

Operating altitude	≤4000m
Charge Retention And Capacity Recovery Capability	Standard charge the battery, and then put aside at room temperature for 28d or 55°C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90%
Warranty	5 years
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