LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

LP1600SE Series

2.56~5.12KWH | Bluetooth

UN38.3



High energy capacity

Scalable from 2.56kWh to 5.12kWh for diverse needs

Modular & expandable

Connect up to 15 units inparallel with ease

10 Years Calendar Life

Stable operation with lower capacity degradation

Convenient

Battery module auto networking(No DIP switch code), easy maintenance

Smart connectivity

Built-in Bluetooth forreal-time remote monitoring

Seamless integration

Supports CAN & RS485communication with major inverters

MUST®
Solar Power System

MAIN PARAMETER

Technical Data		LP16-24100SE	LP16-48100SE
Nominal Voltage		25.6V	51.2V
Nominal Capacity		100Ah	100Ah
Nominal energy		2560Wh	5120Wh
Max. output power		2.5KW	5KW
Life Cycles		≥6000(25°C+3°C)	
Recommended Charge Voltage		29.2V	58.4V
Recommended Charge Current		20A	20A
End Of Discharge Voltage		22V	44V
Standard Method	Charge	20A	20A
	Discharge	50A	50A
Maximum Continuous Current	Charge	100A	100A
	Discharge	100A	100A
BMS Cut-Off Voltage	Charge	29.2V (3.65V/Cell)	58.4V (3.65V/Cell)
	Discharge	22.0V (2s) (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	LP16-24100SE	LP16-48100SE
Communication	CAN2.0/RS232/RS485	
IP Protection level	IP21	
Case Material	SPCC	
Installation Mode	Wall-mounted, Vertical-mounted	
Machine Dimension (W*H*D) (mm)	385*487*152	385*550*152
Package Dimension (W*H*D) (mm)	562*442*207	685*460*215
N.W (kg)	25	45
G.W (kg)	27	49
* 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	

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