

LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

LP1500 Series

0.64~7.68KWH



Long cycle life

Over 6000 cycles, ensuring years of reliable power

High energy density

More usable power at only one-third the weight of lead-acid

Smart BMS inside

Intelligent protection for safe, stable operation

Excellent heat tolerance

Performs reliably even in harsh environments

Flexible scalability

Supports series and parallel connection for multiple applications

IP54 Rated

Dust & Splash Resistant

Smart monitoring

Optional Bluetooth & App for real-time performance check



MAIN PARAMETER

Technical Data	LP15-1250	LP15-12100	LP15-12200	LP15-12300	LP15-24100	LP15-24200	LP15-24300	
Nominal Voltage	12.8V				25.6V			
Nominal Capacity	50Ah	100Ah	200Ah	300Ah	100Ah	200Ah	300Ah	
Nominal energy	640Wh	1280Wh	2560Wh	3840Wh	2560Wh	5120Wh	7680Wh	
Max. output power	0.6KW	1.2KW		2.5KW				
Life Cycles	≥6000(25°C+3°C)							
Recommended Charge Voltage	14.6V				29.2V			
Recommended Charge Current	20A		40A	60A	20A	40A	60A	
End Of Discharge Voltage	10V				20V			
Standard Method	Charge	10A	20A	40A	100A	20A	40A	100A
	Discharge	25A	50A	100A	100A	50A	100A	100A
Maximum Continuous Current	Charge	25A	50A	100A	100A	60A	100A	100A
	Discharge	50A	100A	100A	100A	100A	100A	100A
BMS Cut-Off Voltage	Charge	14.6V (3.65V/Cell)			29.2V(3.65V/Cell)			
	Discharge	10.8V(2.7V/Cell)			21.6V(2.7V/Cell)			
Temperature	Charge	0~50°C						
	Discharge	-20~55°C						
Storage Temperature	-5~35°C							
Shipment voltage	≥12.8V				≥25.6V			

OTHER PARAMETER

Technical Data	LP15-1250	LP15-12100	LP15-12200	LP15-12300	LP15-24100	LP15-24200	LP15-24300
Case Material	ABS+PC						
IP Protection	IP54						
Machine Dimension (W*H*D) (mm)	260*167*210	339*185*218	502*186*243	384*204*272	502*186*243	522*240*218	635*244*200
Package Dimension (W*H*D) (mm)	carton box 315*225*260	385*230*260	520*225*280	450*250*325	520*225*280	545*285*288	700*310*276
N.W (kg)	5.6	12	21	27	20	37	47
G.W (kg)	carton box 23.1(4/1)	13	22	29	21	38	50

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

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+A1+AC EN IEC 61000-6-1); UN38.3/ MSDS