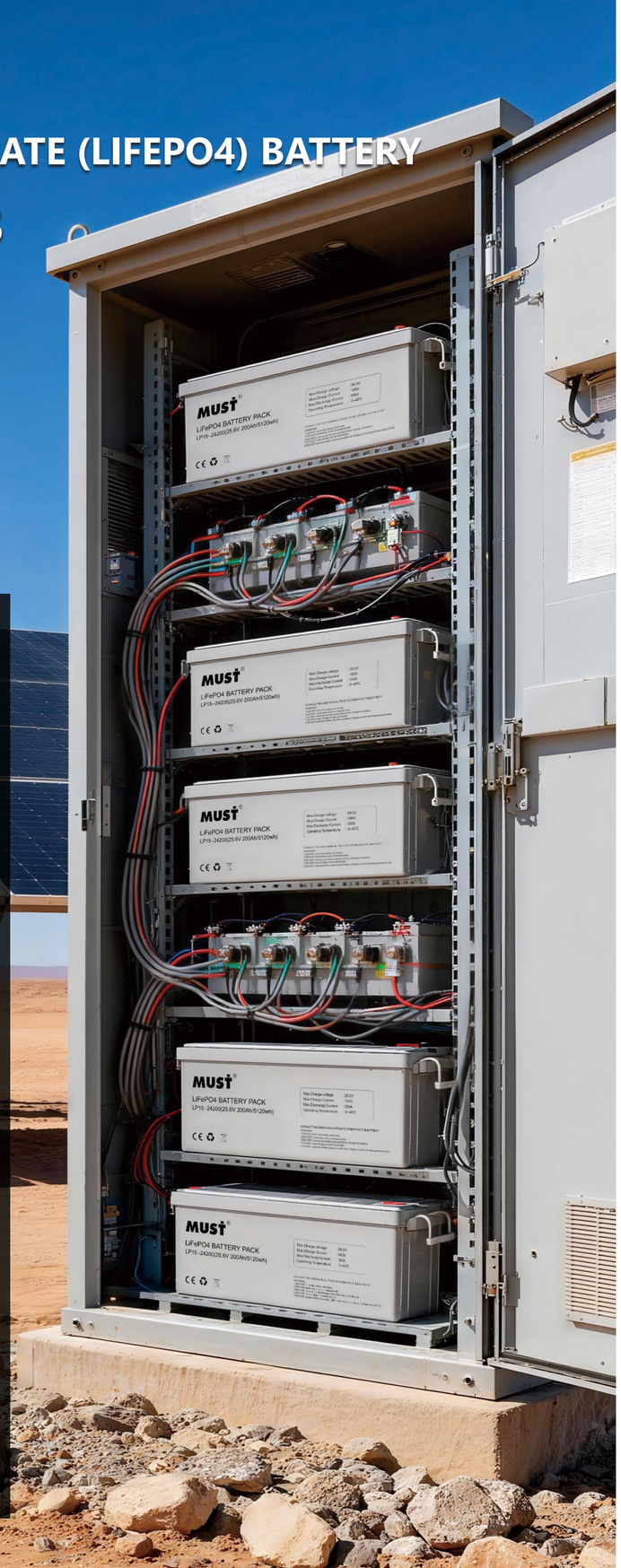
LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

LP1500 Series

0.64~7.68KWH

UN38.3



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

MUST®
Solar Power System

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		1.8KW	2.5KW		3.6KW
Life Cycles		≥6000(25°C+3°C)						
Recommended Charge Voltage		14.6V				29.2V		
Recommended Charge Current		10A	20A	40A	60A	20A	40A	60A
Standard Method	Charge	10A	20A	40A	60A	20A	40A	60A
	Discharge	25A	50A	100A	150A	50A	100A	150A
Maximum Continuous Current	Charge	25A	50A	100A	150A	50A	100A	150A
	Discharge	50A	100A	100A	150A	100A	100A	150A
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						
Recommend Operating Temperature		15~35℃						
Storage Temperature		-5~35℃						
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						

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