LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

LP1500 Series

0.64~7.68 kWh | Bluetooth



Easy Replacement

Standard lead-acid battery form factor and terminal design for easy installation and direct replacement of traditional lead-acid batteries.

High-Performance $LiFePO_4$ Cells

Built with safe and stable $LiFePO_4$ cells for long cycle life.

Smart Bluetooth Monitoring

Supports Bluetooth connectivity, allowing real-time monitoring of SOC, voltage, current, and battery status via the app.

Flexible Capacity Expansion

Supports series and parallel connections to meet the needs of various applications.

Smart BMS

Built-in BMS provides overcharge, over-discharge, overcurrent, short-circuit, and temperature protection.

Multiple Capacity Options

Available in capacities ranging from 1.28~8 kWh to meet different power needs.

MUST®
Solar Power System

MAIN PARAMETER

Model		LP15-12100	LP15-12200	LP15-12300	LP15-12314	LP15-24100	LP15-24200	LP15-24300	LP15-24314
Battery Chemistry		$LiFePO_4$							
Rated Capacity		100 Ah	200 Ah	300 Ah	314 Ah	100 Ah	200 Ah	300 Ah	314 Ah
Scalability		Max. 4 units in series (51.2V) and Max. 8 units in parallel				Max. 2 units in series (51.2V) and Max. 8 units in parallel			
Nominal Voltage		12.8V				25.6V			
Operating Voltage		11.2V~14.4V				22.4V~28.8V			
Nominal Energy		1.28 kWh	2.56 kWh	3.84 kWh	4 kWh	2.56 kWh	5.12 kWh	7.68 kWh	8 kWh
Charge Current	Recommended	50 A	100 A	150 A	150 A	50 A	100 A	150 A	150 A
	Max. Continuous	50 A	100 A	150 A	150 A	50 A	100 A	150 A	150 A
Discharge Current	Recommended	50 A	100 A	150 A	150 A	50 A	100 A	150 A	150 A
	Max. Continuous	100 A	100 A	150 A	150 A	100 A	100 A	150 A	150 A

OTHER PARAMETER

Model	LP15-12100	LP15-12200	LP15-12300	LP15-12314	LP15-24100	LP15-24200	LP15-24300	LP15-24314
Recommend Depth of Discharge	80% DoD							
Dimension (W × D × H,mm) (Without hanging board)	339*185 *219 mm	384*204 *273 mm	384*204 *273 mm	384*204 *273 mm	502*186 *243 mm	522*242 *222 mm	718*230 *273 mm	718*230*273
Net Weight Approximate	10.5KG	20KG	27KG	27.5KG	18.5KG	36.5KG	49KG	50KG

*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	Floor-Mounted
Communication	Bluetooth+APP
Certification	UN38.3,MSDS,CE

*Specifications are subject to change without prior notice

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