

LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

ES-Li10.24KW-200AH Series

WIFI | Bluetooth

High energy capacity

10.24kWh capacity for reliable daily and backup power.

Ultimate Installation Flexibility

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

Modular & expandable

Connect up to 15 units in parallel with ease

Smart connectivity

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

High power, stable performance

Consistent energy output for residential and industrial systems

Seamless integration

Supports CAN & RS485 communication with major inverters

ECOSHIELD
TO A BETTER FUTURE

ES-LI10.24KW-200AH

Technical Data

Nominal Voltage		51.2V
Nominal Capacity		200Ah
Nominal energy		10240Wh
Max. output power		7.5KW
Life Cycles		≥8000(25°C+3°C)
Recommended Charge Voltage		58.4V
Recommended Charge Current		40A
End Of Discharge Voltage		44V
Standard Method	Charge	40A
	Discharge	100A
Maximum Continuous Current	Charge	150A
	Discharge	150A
BMS Cut-Off Voltage	Charge	58.4V (3.65V/Cell)
	Discharge	44.0V (2.75V/Cell)
Temperature	Charge	0~50°C
	Discharge	-20~55°C
Storage Temperature		-5~35°C
Shipment Voltage		≥51.2V
Safety Function		Over-charge, Over-discharge, Over-current, Low/High-temperature, Short-circuit Protections
Module Parallel		Up to 15 units
Communication		CAN2.0/RS232/RS485
IP Protection level		IP21
Case Material		SPCC
Installation Mode		Wall-mounted, Stacked-mounted, Rack-mounted(optional)
Machine Dimension (W*H*D) (mm)		442*686.5*250
Package Dimension (W*H*D) (mm)	carton box	560*305*750
	wooden box	569*405*759
N.W (kg)		81
G.W (kg)	carton box	86
	wooden box	97
* 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