



ES-LI5KWH-51.2V-100AH

TECHNICAL DATA		
Nominal Voltage		51.2V
Nominal Capacity		100Ah
Nominal energy		5120Wh
Max. output power		5KW
Life Cycles		≥8000(25°C+3°C)
Recommended Charge Voltage		58.4V
Recommended Charge Current		20A
End Of Discharge Voltage		44V
Standard Method	Charge	20A
	Discharge	50A
Maximum Continuous Current	Charge	100A
	Discharge	100A
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, Vertical-mounted
Machine Dimension (W*H*D) (mm)		442*625.5*177
Package Dimension (W*H*D) (mm)	carton box	557*227*688
	wooden box	/
N.W (kg)		45
G.W (kg)	carton box	79
	wooden box	/
* 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

LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

ES-Li5KWh-51.2V-100Ah Series

WIFI | Bluetooth

Built-in Fire Suppression Device

Automatically activates in case of an emergency

4.3-inch touch screen display

High-definition touch display for intuitive and easy operation

Flexible capacity options

5.12kWh Capacity, Expandable to 15 Units in Parallel.

Built-in WiFi / Bluetooth

Support real-time remote monitoring

Integrated Enclosure Design

High-strength integrated structure for greater stability, durability, and reliability

Flexible Installation

Top-facing terminals support wall-mounted, stacked, and floor-standing installation

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