

Large Capacity Energy Storage Battery

ES-LV·SERIES



Support Bluetooth + WiFi
real - time monitoring



Long Battery Life
6000 cycles life (DOD 80%)



Touch Screen Control
is available for this device



Stable & Reliable
Advanced BMS management

ES-LV-5

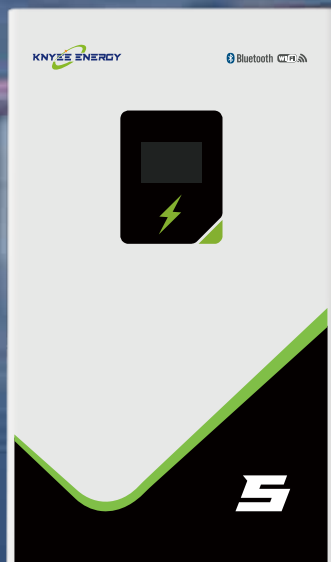
⚡ 5.12Kwh

ES-LV-10-B

⚡ 10.24Kwh

ES-LV-16

⚡ 16.08Kwh



Model	ES-LV- 5	ES-LV- 10-B	ES-LV- 16
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Basic Information

Nominal Voltage	51.2V DC	51.2V DC	51.2V DC
Voltage Range	44V-58.4V	44V-58.4V	44V-58.4V
Nominal Capacity	100Ah	200Ah	314Ah
Rated Capacity	5.12kWh	10.24kWh	16.0768kWh
Communication Protocol	CAN / RS485		
Max. Number of Parallel Connections	32		
Cycle Life	6000 cycles (25°C@80% DoD)	8000 cycles (25°C@80% DoD)	
Protection Mechanism	Temperature Protection/Over-current Protection/Short-circuit Protection Over-charge Protection/Over-discharge Protection/Low-voltage Protection		

Charging Parameters

Recommended Charging Current	50A	100A	100A
Max. Charging Current	100A	200A	200A
Recommended Charging Voltage	58V	58V	58V
Max. Charging Voltage	58.4V	58.4V	58.4V

Discharging Parameters

Recommended Discharging Current	50A	100A	100A
Max. Discharging Current	100A	200A	200A
Recommended Battery Discharge Cut-off Voltage	46V	46V	46V
Battery Cut-off Voltage	44V	44V	44V
Battery Recovery Voltage	48V	48V	48V

Product Functions

Screen Type	Touch Screen
Communication	Bluetooth + WiFi
Function	Auto-dialling communication
Fire Protection System	Built -in aerosol fire extinguisher

General Parameters

Dimension	640*380*160mm	690*460*245mm	900*460*245mm
Protection Rating	IP20	IP20	IP20
Net Weight	45.2KG	84KG	115KG
Shell Material	Sheet Metal	Sheet Metal	Sheet Metal

Certification & Safety Standard

Certification	Pack:IEC62619/CE/MSDS/UN38.3 Cell:CE/IEC 62619/UL1973/ROHS
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Temperature Parameters

Discharging Temperature	-20~60°C
Charging Temperature	0~55°C
Storage Temperature	-20~45°C