YAHUA

LV ENERGY STORAGE LITHIUM-ION BATTERY MODULE

5KWH PACK

Flexbily And Easy Installation

Wall-Mounted Or Floor-Mounted

Easy Management

Real Time Online Monitoring System Battery Status,Intelligent Warning

Strong Compatibility

Covering All Mainstream Protocols And Matching MostMainstream Inverters

Long Life

4 Times Long Static And 8 Consistency Screening Make The Battery More Durable 6000 Cycles

Safety & Reliability

Nano-Coating And Self-Healing Technology Construct The LFP Channel To Add A Firewall To The Battery

Technical Specification

Specifications		Model	
Nominal Voltage		48V	51.2V
Nominal Capacity		100Ah	100Ah
Dimensions	Length	550±2mm	550±2mm
	Width	482±2mm	482±2mm
	Height	133±2mm	133±2mm
Approx. Net Weight		41 kg ± 1 kg	43 kg ± 1 kg
Approx. Gross Weight		43 kg ± 1 kg	45 kg ± 1 kg
Electrical Parameters(25℃)	Rated Voltage	48V	51.2V
	Rated Capacity (C5)	100Ah@25℃	100Ah@25℃
	Energy	4800Wh/4.8KWH	5120Wh/5.12KWH
	Months Self Discharge	<2%	<2%
Terminal Diameter		M6	M6
Internal Resistance(Fully Charged,25℃)		≤10mΩ	≤10mΩ
Cycle Life		>6000 Cycles @0.2C 100%D.0.D	>6000 Cycles @0.2C 100%D.0.D
Capacity Affected by Temperature	40℃	101%	101%
	25℃	100%	100%
	0℃	90%	90%
	-10℃	75%	75%
Nominal Operating Temperature		25℃±3℃(77°F±5°F)	25℃±3℃(77°F±5°F)
Operating Temperature Range	Discharge	-20℃~60℃(-4°F~140°F)	-20°℃~60℃(-4°F~140°F)
	Charge	0°℃~45℃(32°F~113°F)	0°℃~45℃(32°F~113°F)
	Storage	0℃~40℃(32°F~104°F)	0°℃~40℃(32°F~104°F)
Water Dust Resistance		IP21	IP21
Charge Voltage		54.75V	58.4V
Standard Charge Mode (25℃±2℃, <75% RH)		0.2 CA Constant Current to 54.75 V, then Constant Voltage 54 V, until the current drops to 0.02 CA, before use, rest 30 minutes	0.2CA Constant Current to 58.4V, then Constant Voltage 58V, until the current drops to 0.02CA, before use, rest 30 minutes
Maximum Charge Current		100A	100A
Charge Cut Off Voltage		54.75V	58.4V
Maximum Pulse Current		110A(<1S)	110A(<1S)
Discharge Cut-Off Voltage		37.5V	40V
Communicate Protocol (Optional)		RS485/RS232/CAN	RS485/RS232/CAN
SOC (Optional)		Screen/LED/PC Software	Screen/LED/PC Software
Certification		CE IEC62619 UN38.3	CE IEC62619 UN38.3
The Maximum Number of Parallel Connections Supported		16 Strings	16 Strings
Cell		LiFePO4	LiFePO4
The Dimension Of Package (mm)		652*542*205mm	652*542*205mm
Protection Features		Charging over voltage protection, Discharging under voltage protection, Over current protection,Over temperature protection, Low temperature protection, Short circuit protection, etc.	