YAHUA

RESIDENTIAL ENERGY STORAGE BATTERIES

RECHARGEABLE

LFP BATTERY

BYH–5.0Pro

Safer to Use
High-density LiFePO4 battery

Widely Compatible
Compatible with mainstream inverters

Long Battery Life
6000 cycles (DOD 80%)

Touch Screen Control
Is available for this device

Stable & Reliable
Advanced BMS management

Bluetooth + WiFi
Real-time monitoring

Technical Specification

Parameter Information

Model NO		BYH-5.0K	BYH-5.0K Pro
Nominal Voltage		48V	51.2V
Nominal Capacity		100Ah	100Ah
Energy		4.8KWH	5.12KWH
Battery Type		LiFePO4	LiFePO4
Dimensions	Length	600±2mm	600±2mm
	Width	440±2mm	440±2mm
	Height	167±2mm	167±2mm
Approx. Gross Weight		45 kg ± 1 kg	47kg ± 1 kg
Cycle Life		>6000 Cycles @0.2C 100%D.0.D	>6000 Cycles @0.2C 100%D.0.D
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)
Charge Voltage		54.75V	58.4V
Maximum Charge Current		100A	100A
Maximum DisCharge Current		100A	100A
Maximum Pulse Current		110A(<3S)	110A(<3S)
Protection rating		IP21	
Communicate		RS485/RS232/CAN	
SOC (Optional)		Screen/LED/PC Software	
Certification		CE IEC62619 UN38.3 MSDS	
The Maximum Number of Parallel Connections Supported		50 parallel connection	