



RESIDENTIAL ENERGY STORAGE BATTERIES

RECHARGEABLE

LFP BATTERY

BYH-15Pro



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-15.0K	BYH-16K.Pro
Nominal Voltage		48V	51.2V
Nominal Capacity		314Ah	314Ah
Energy		15KWH	16KWH
Battery Type		LiFePO4	LiFePO4
Dimensions	Length	780 ± 2mm	780 ± 2mm
	Width	550 ± 2mm	550 ± 2mm
	Height	345 ± 2mm	345 ± 2mm
Approx. Gross Weight		130kg ± 1 kg	135kg ± 1 kg
Cycle Life		>6000 Cycles @0.2C 100%D.0.D	>6000 Cycles @0.2C 100%D.0.D
Nominal Operating Temperature		25 °C ± 3 °C (77 ° F ± 5 ° F)	25 °C ± 3 °C (77 ° F ± 5 ° F)
Operating Temperature Range	Discharge	-20 °C ~ 60 °C (-4 ° F ~ 140 ° F)	-20 °C ~ 60 °C (-4 ° F ~ 140 ° F)
	Charge	0 °C ~ 45 °C (32 ° F ~ 113 ° F)	0 °C ~ 45 °C (32 ° F ~ 113 ° F)
	Storage	0 °C ~ 40 °C (32 ° F ~ 104 ° F)	0 °C ~ 40 °C (32 ° F ~ 104 ° F)
Charge Voltage		54.75V	58.4V
Maximum Charge Current		200A	200A
Maximum DisCharge Current		200A	200A
Maximum Pulse Current		210A(<3S)	210A(<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	