

XX-B Series Stackable All-in-One ESS



Stackable Design

Modular structure with inverter on top, batteries below



High Scalability

Supports up to 15 battery units in parallel



Mobile & Stable

Comes with base and wheels for convenient movement



All-in-One System

Inverter and batteries integrated into one compact setup



Easy Installation

Comes with a sturdy base and wheels for mobility



Flexible Inverter

Supports different power ratings based on your needs

Guangdong Xinxin New Energy Co., LTD (XX Energy)

✉ Melody@xxenergize.com

🌐 www.xxenergize.com

📍 Addr: Room 701, Bldg. 3, 34 Huangwu Industrial Zone Road, Dongkeng Town, Dongguan, Guangdong, China. 523749

XX-B Series

Stackable All-in-One ESS

Model No.	XX-B1-48100	XX-B2-48100	XX-B3-48100
Inverter Parameters			
Rated Output Power	3.6kW	6kW	12kW
Waveform	Sine wave	Sine wave	Sine wave
AC Output Voltage Regulation (battery mode)	230V (alternating current $\pm 5\%$)	230V (alternating current $\pm 5\%$)	230V (alternating current $\pm 5\%$)
Inverter Efficiency	90%~93% (peak)	90%~93% (peak)	90%~93% (peak)
AC Input Voltage	230V (alternating current)	230V (alternating current)	230V (alternating current)
Max. AC Input Voltage	280V	280V	280V
Frequency	50/60Hz	50/60Hz	50/60Hz
Battery Parameters			
Battery Type	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage (V)	51.2V	51.2V	51.2V
Nominal Capacity (Ah)	100Ah	200Ah	300Ah
Nominal Energy (kWh)	5.12kWh	10.24kWh	15.36kWh
Charge Cut-off Voltage (V)	58.4V	58.4V	58.4V
Recommend Charge Current (A)	25A	25A	25A
Max. Charge Current(A)	120A	120A	120A
Recommend Discharge Current (A)	50A	50A	50A
Max. Discharge Current(A)	120A	120A	120A
Discharge Cut-off Voltage (V)	44.0V	44.0V	44.0V
Communication	CAN/RS485/RS232	CAN/RS485/RS232	CAN/RS485/RS232
Protection Function	Overvoltage/Undervoltage/Overtemperature/Low Temperature/Overcurrent/Short Circuit Protection		
Cycle Life	6000 cycles @80% DOD	6000 cycles @80% DOD	6000 cycles @80% DOD
Warranty	5 years	5 years	5 years
System Parameters			
Dimensions (L*W*H)	550*495*530mm	550*495*725mm	550*495*920mm
Packing Dimension	600*600*270mm	600*600*270mm	600*600*270mm
Net Weight	88.1kg	136.1kg	184kg
Gross Weight	93.7kg	144.7kg	198kg
Working Conditions			
Working Temperature	Charge: 0~45°C @ 60 $\pm$ 25% Discharge:-10~60°C @ 60 $\pm$ 25%	Charge: 0~45°C @ 60 $\pm$ 25% Discharge:-10~60°C @ 60 $\pm$ 25%	Charge: 0~45°C @ 60 $\pm$ 25% Discharge:-10~60°C @ 60 $\pm$ 25%
Storage Temperature	-5~35°C	-5~35°C	-5~35°C
Humidity	5%~95%	5%~95%	5%~95%
Cooling Method	Natural Cooling	Natural Cooling	Natural Cooling
Protection Level	IP20	IP20	IP20
Altitude (m)	2000m	2000m	2000m
Certificate	MSDS, UN38.3	MSDS, UN38.3	MSDS, UN38.3

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