



Residential Energy Storage



EG50B

Product compatible with multiple brands of inverters, it's connected to Eagle Integrated-energy Intelligent Operation Service Platform, and excess power can be transferred to the Power Grid thereby providing additional returns.

- Easy Installation.
- Wide application scenarios, support solar PV system, reserve power supply etc.
- High Security, use LiFePO4 cell core, and longer cycle life.
- Easy Maintenance, external interface adopts quick plug connector.



5.12~10.24KW
Rated Power



10.24~20.48KWH
Rated Capacity



10 Years
Cycle Life



IP65
Protection Grade

Model	EG50B
Parameter DC	
Battery Type	LFP
Nominal Capacity	10.24kWh 12.8kWh 15.36kWh 17.92kWh 20.48kWh
DC Voltage Range	160 ~ 233.6V 200 ~ 292V 240 ~ 350.4V 280 ~ 408.8V 320 ~ 467.2V
Rated DisCharging Current	25A
Max. Charging / DisCharging Current	50A
Peak DisCharging Current	110A, 30s
Dimension (W*D*H) (mm)	550x390x800 550x390x950 550x390x1100 550x390x1250 550x390x1400
DisCharging Temperature	-20 ~ 55°C
Working Temperature	5% ~ 95%RH
Storage Temperature	-20 ~ 55°C
Max. Operating Altitude	2000m
Cycle Life	10years or 6000times (@25°C)
Transport Requirement	Sea and land transport UN38.3, dangerous package certification, separate transport
Safety	CE, IEC62619, IEC61000, IEC60730, UN38.3
Dongle	WiFi/4G
Cloud platform & APP	Supports the implementation of cloud platform APP to check the running status of products
Noise Level	< 40dB (Distance 1m)
Protection Grade	IP65
Communication	CAN/RS485
Installation	Floor Stand
System Protection	Over voltage protection, under voltage protection, over current protection, short circuit protection, over temperature protection, low temperature protection, waterlogging detection, low insulation protection and other system protection functions, and can send warning signals, fault signals or cut off the circuit, reverse connection protection
Insulation requirements	Insulation resistance $\geq 5\text{M}\Omega$ (test voltage 1000VDC)