



ES-BOX49 Series

51.2V 5.12kWh/17.41kWh LiFePO4 Battery

Original BYD Cells: Grade A LFP with automotive-grade quality, safe and reliable

Two Options Available: scalable via parallel connection

Smart BMS Protection: Multi-layered safety with real-time monitoring, ideal for home storage

Powered by BYD cells



Product Features:



Flexible installation,
saving time and effort



1C/1C continuous
charge and discharge



10 years
warranty



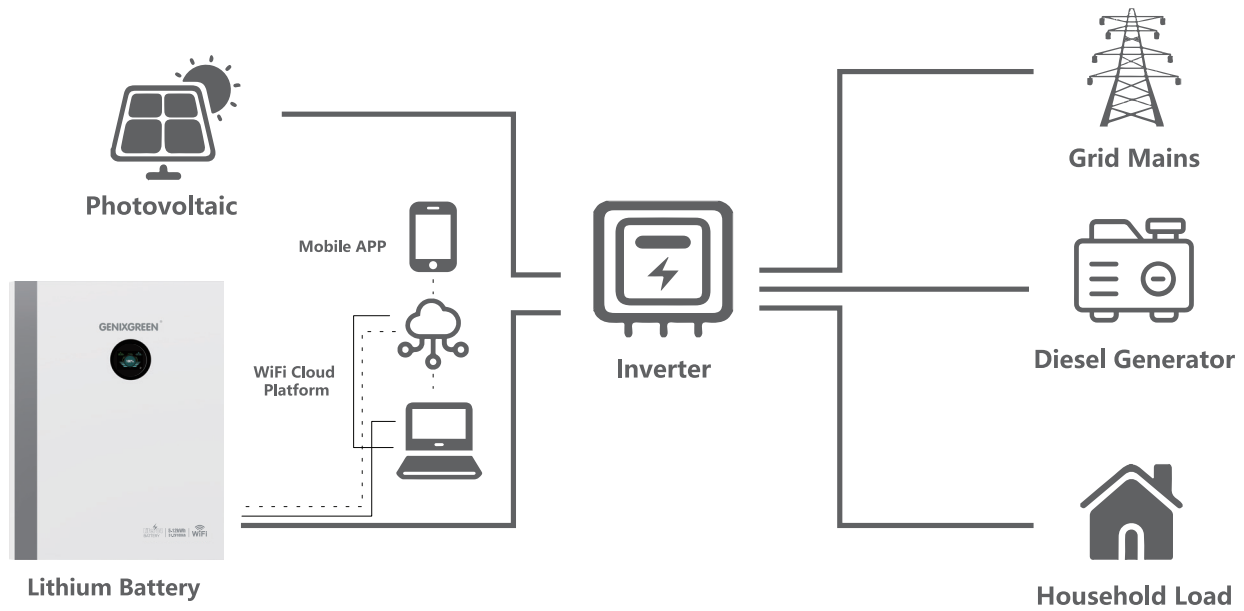
Superior LiFePO4
safety performance



Low voltage
safety connection



Max. 64
modules parallel



Product Specification

Product Model	ES-BOX49	ES-BOX49 MAX
Nominal Energy	5.12kWh	17.41kWh
Nominal Voltage	51.2V	
Nominal Capacity	100Ah	340Ah
Cell Type	LFP	
Standard Charge Voltage	56.8V	
Max. Discharge Current	100A	200A
Discharge Cut-off Voltage	44.8V	
Parallel Function	Parallels: Max.16, Max.33, Max.64 (Optional)	
Communication Interface	USB, RS485, CAN	
Cycle Life	≥8000 Cycles (25°C±2°C, 0.5C, 90%DOD@65%EOL)	≥10000 Cycles (25°C±2°C, 0.35C, 90%DOD@65%EOL)
Charge Temperature Range	0~55°C	
Discharge Temperature Range	-20~55°C	
Certification	Pack: CEI 0-21/CE/IEC 62619/UL1973 by Intertek/MSDS/UN38.3 Cell: UL 1642/IEC 62619/CE/EMC/ROHS/MSDS/UN38.3	
Dimension	620*480*180mm(Excluding bracket)	680*1000*300mm(Caster)
Net Weight	≈52Kg	≈145Kg
Installation Method	Wall Mounted	Floor Standing
Display	Circular touch screen/3.2" LCD Touch Screen	4.3" LCD Touch Screen
Warranty(Optional)	10 years warranty, 15 years design life	
Energy Throughput ⁽¹⁾	22MWh	76MWh
Optional	WiFi (Built-in WiFi antenna), Bluetooth, Fire Suppression module, Circuit Breaker (Built-in WiFi antenna)	

[1] Conditions apply, refer to GENIXGREEN warranty letter.