LFP Powerwall box

Smart Switching

Modular design, supporting multiple parallel connections, expandable power and capacity

Safe and Reliable

IP20 protection,
high precision leakage protection

Efficient Power Generation

High-current instantaneous charge-discharge switching to improve power generation efficiency

Endurance performance

Long life technology ensures more than 6000 cycles with 80% DOD.

Expediency

Easy to install, support high-power work.

Smart charge

Allow homeowners to optimize their energy usage and reduce waste by managing peak demand periods.

PERFORMANCE SPECIFICATIONS

model	TH-48100-R	TH-48200-R	TH-51100-R	TH-51200-R
Nominal Voltage	48V	48V	51.2V	51.2V
Capacity(Ah)	100AH	200AH	100AH	200AH
Rated Energy(KWH)	4.8KWH	9.6KWH	5.12KWH	10.24KWH
Max. Charge/Discharge Current(A)	100A /100A	100A /100A	100A /100A	100A /100A
Voltage Range(Vdc)	42-54V		43.2-56.5V	45-56.5V
Scalability	Up to 10 parallel			
Communieation	RS232-PC,RS485(B)-BAT,RS485(A)-Inverter,CAN-Inverter			
Cycle Life	6000cycles@25℃,0.5C,90% DOD,60%EOL			
Design Life	10 Years(25℃)			
MECHANICAL SPECIFICATIONS				
Weight(Approx)(KG)	63kg	96kg	57kg	98kg
Dimension (W/D/H)(mm)	485*680*182mm	485*690*186mm	580*390*185mm	485*680*186mm
Installation Mode	Wall hanging			
IP Grade	IP20			
SECURITY AND CERTIFICATION				
Safety(Pack)	UN38.3,MSDS			
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973			
Protection	BMS, Breaker			
ENVIRONMENTAL SPECIFICATIONS				
Operating Temperature(℃)	Charge: 0℃~55℃; Discharge: -20℃-55℃			
Altitude (m)	≤2000			
Humidity	≤95%(Non-condensing)			