

(1) 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.



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-51200-R
Nominal Voltage	48V	48V		51.2V
Capacity(Ah)	100AH	200AH		200AH
Rated Energy(KWH)	4.8KWH	9.6KWH		10.24KWH
Usable Energy(KWH)	4.32KWH	8.64KWH		9.2KWH
Max. Charge/Discharge Current(A)	100A /100A	100A	/100A	100A /100A
Voltage Range(Vdc)	42-54V	45		45-56.5V
Scalability	Up to 10 parallel			
Communieation	RS232-PC,RS485(B)-BAT,RS485(A)-Inverter,CAN-Inverter			
Cycle Life	6000cycles@25°C,0.5C,90% DOD,60%EOL			
Design Life	10 Years(25°C)			
MECHANICAL SPECIFICATIONS				
Weight(Approx)(KG)	48kg	85kg		89kg
Dimension (W/D/H)(mm)	483*480*178mm	483*680*178mm		483*680*178mm

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Installation Mode	Wall hanging		
IP Grade	IP20		

SECURITY AND CERTIFICATION

Safety(Pack)	CE-EMC,UN38.3,MSDS	UN38.3,MSDS	UN38.3,MSDS
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973		
Protection		BMS, Breaker	

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature(℃)	Charge: 0°C~55°C; Discharge: -20°C-55°C	
Altitude (m)	≤2000	
Humidity	≤95%(Non-condensing)	

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