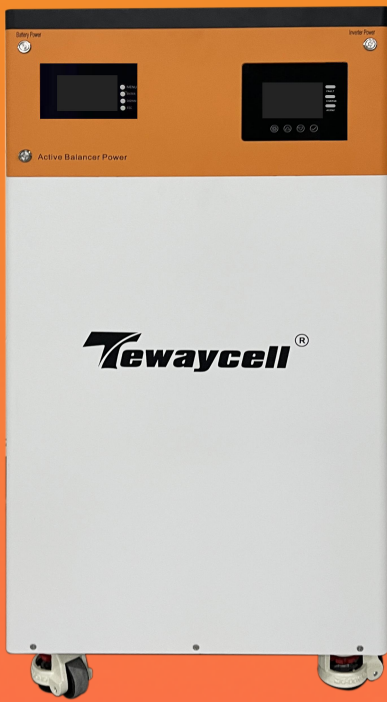




Inverter Control All-in-one Machine



TW-AO-MB51150-5KW-USA
TW-AO-MB48200-5KW -USA
TW-AO-MB51200-5KW-USA
TW-AO-MB48300-5KW-USA
TW-AO-MB51300-5KW-USA

Long life and safety

Vertical industry integration ensures more than 6000 cycles with 80% DOD.

Easy to install and use

Integrated inverter design, easy to use and quick to install. Small size, minimizing installation time and cost compact and stylish design suitable for your sweet home environment.

Multiple working modes

The inverter has a variety of working modes. Whether it is used for main power supply in the area without electricity or backup power supply in the area with unstable power to deal with sudden power failure, the system can respond flexibly.

Fast and flexible charging

A variety of charging methods, which can be charged with photovoltaic or commercial power, or both at the same time.

Scalability

2 units of all in one support split phase AC output

Parameters

	TW-AO-MB51150-5KW(16S)	TW-AO-MB51200-5KW(16S) TW-AO-MB48200-5KW (15S)	TW-AO-MB51300-5KW(16S) TW-AO-MB48300-5KW (15S)
BATTERY TECHNICAL SPECIFICATION			
Battery model	TW-MB51150-120A-HWB(16S)	TW-MB51200-120A-HWB(16S) TW-MB48200-120A-HWB (15S)	TW-MB51300-120A-HWB(16S) TW-MB48300-120A-HWB (15S)
Number of batteries	1	1	1
Battery Energy	7.68kWh	10.24kWh/9.6kWh	15.36kWh/14.4kWh
Battery Capacity	150AH	200AH	300AH
Weight (Approx.)	91kg	134kg	140kg
Dimension L×D×H	810×520×300	1005×450×300	1005×520×300
Battery Type	LiFePO4		
Battery Rated Voltage	51.2V/48.0V		
Battery Working Voltage	44.8 ~ 57.6V		
Maximum Charging Current	100A		
Maximum Discharging	100A		
DOD Designed Life-span	80%>6000 Cycles @ 0.2C/25℃ Charging/Discharging at 80%DOD, Until 80% Capacity.		
INVERTER TECHNICAL SPECIFICATION			
INVERTER TECHNICAL	HYP4850U100-H		
PV CHARGE			
Solar Charge Type	MPPT		
Maximum Input Power	5500W		
PV Charging Current	0~100A		
PV Operating Voltage Range	120~500V		
MPPT Voltage Range	120~450V		
AC CHARGE			
Charging Current Error	±5A _{dc}		
AC Charging Current Range	0~40A		
Rated Input Voltage	40-58V _{dc}		
Short Circuit Protection	Circuit Breakers and Blown Fuses		
AC OUTPUT			
Rated Power	5000W		
Maximum Output Current	41.7A		
Frequency	50Hz/60Hz		
Rated Voltage	120Vac		
BATTERY INVERTER OUTPUT			
Rated Output Power	5000VA		
Maximum Peak Power	10000VA		
Power Factor	1		
Rated Output Voltage(Vac)	120Vac		
Frequency	50Hz		
Auto Switch Period	<15ms		
THD	<3%		
GENERAL DATA			
Communication	RS485/CAN/WIFI		
Storage time /temperature	6 months @25℃;3 months @35℃;1 months @45℃;		
Charging temperaturerange	0~45℃		
Dischargingtemperature rang	-10~45℃		
Operation Humidity	5% ~ 85%		
Nominal OperationAltitude	<2000m		
Cooling Mode	Force-Air Cooling		
Noise	60dB(A)		
Ingress ProtectionRating	IP20		
Recommended Operation Envi	Indoor		
Installation Method	Vertical		
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