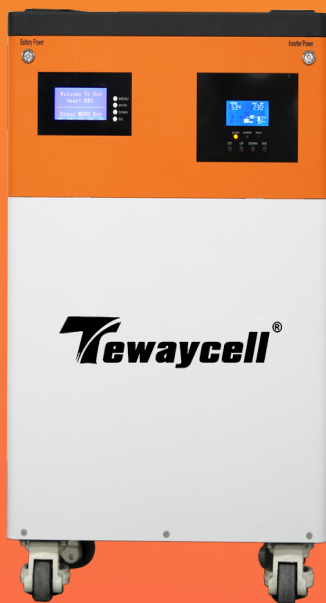




Mobile ESS Battery



AO-MB51100-5KW-EU

Suit for Solar and wind energy systems.

FEATURES

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

3 units can be paralleled for 3-phase output
Maximum support for 6 units in parallel.

Lithium Iron Phosphate(LiFePo4) Battery

BATTERY TECHNICAL SPECIFICATION

Battery Model	TW-MB51100- 100A-HWB
Number of Batteries	1
Battery Energy	5. 12KWH
Battery Capacity	100AH
Weight(Approx.)	71.5KG
Dimension Lx Dx H	660.0*450.0 *300.0
Battery Type	LiFePO4
Battery Rated Voltage	51.2V
Battery Working Voltage Range	44.8 ~ 57.6V
Maximum Charging Current	100A
Maximum Discharging Current	100A
Dod Designed Life-Span	80% >6000 Cycles @ 0.2C/25°C Charging/Discharging at 80%DOD, Until 80% Capacity.

INVERTER TECHNICAL SPECIFICATION

INVERTER TECHNICAL	HFP4835S80-145
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PV CHARGE

Solar Charge Type	MPPT
Maximum Output Power	4400W
PV Charging Current Range	0-50A
PV Operating Voltage Range	60- 145Vdc
MPPT Voltage Range	60- 115Vdc

AC CHARGE

Maximum Charge Power	3150W
AC Charging Current Range	0~60A
Rated Input Voltage	220/230Vac
Input Voltage Range	(90Vac-280Vac)±2%

AC OUTPUT

Rated Output Power	5000W
Maximum Output Current	24A
Frequency	50Hz ± 0.3Hz/60Hz ± 0.3Hz
Overload Current	40A

BATTERY INVERTER OUTPUT

Rated Output Power	4500VA
Maximum Peak Power	5000VA
Power Factor	1
Rated Output Voltage (Vac)	230Vac
Frequency	50Hz
Auto Switch Period	<15ms
THD	<3%

Lithium Iron Phosphate(LiFePo4) Battery

GENERAL DATA	
Communication	RS485/CAN/WIFI
Storage time/temperature	6 months @25°C;3 months @35°C;1 months @45°C;
Charging temperature range	0~45°C
Discharging temperature range	- 10~45°C
Operation Humidity	5% ~ 85%
Nominal Operation Altitude	< 2000m
Cooling Mode	Force-Air Cooling
Noise	60dB(A)
Ingress Protection Rating	IP20
Recommended Operation Environment	Indoor
Installation Method	Vertical
Certification	UN38.3,MSDS,EN55032, EN55024,EN61000-3-2,EN61000-3-3