

Vertical Energy Storage System

MB51100-5KW

MB51150-5KW

MB48200-5KW

MB51200-5KW

MB48300-5KW

MB51300-5KW

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



Application scenario >>>



Parameters

	MB51100-5KW(16S)	MB51150-5KW(16S)	MB51200-5KW(16S) MB48200-5KW (15S)	MB51300-5KW(16S) MB48300-5KW(15S)
BATTERY TECHNICAL SPECIFICATION				
Battery model				
Number of batteries				
Battery Energy	5.12kWh	7.68kWh	10.24kWh/9.6kWh	15.36kWh/14.4kWh
Battery Capacity	100AH	150AH	200AH	300AH
Weight (Approx.)	68KG	91kg	112kg	140.5kg/146.5kg
Dimension L× D× H(mm)	450*300*743	450*300*800	450*300*1005	520*300*1005
Battery Type	LiFePO4			
Battery Rated Voltage	51.2V/48.0V			
Battery Working Voltage	44.8 ~ 57.6V			
Maximum Charging Current	100A	120A		
Maximum Discharging	100A	120A		
DOD Designed Life-span	80%>6000 Cycles @ 0.2C/25℃ Charging/Discharging at 80%DOD, Until 80% Capacity.			
INVERTER TECHNICAL SPECIFICATION				
INVERTER TECHNICAL	HSI 5500P			
PV CHARGE				
Solar Charge Type	MPPT			
Maximum Input Power	6000W			
PV Charging Current	22A			
PV Charging Current Range	0~100A			
PV Operating Voltage Range	120~500V			
MPPT Voltage Range	120~450V			
AC CHARGE				
AC Charging CurrentRange	0~60A			
Charge current error	±3Adc			
Rated Input Voltage	40–58Vdc			
Short circuit protection	Circuit breaker and blown fuse			
Circuit breaker specifications	40A			
AC OUTPUT				
Rated Output Power	5500W			
Maximum OutputCurrent	24A			
Frequency	50Hz/60Hz			
Rated voltage	230Vac			
BATTERY INVERTER OUTPUT				
Rated Output Power	5500VA			
Maximum Peak Power	11000VA			
Power Factor	1			
Rated Output Voltage(Vac)	230Vac			
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 temperature range	0~45℃			
Dischargingtemperature range	- 10~45℃			
Operation Humidity	5% ~ 85%			
Nominal OperationAltitude	<2000m			
Cooling Mode	Force-Air Cooling			
Noise	60dB(A)			
Ingress ProtectionRating	IP20			
Recommended Operation Environment	Indoor			
Installation Method	Vertical			