

10KW MGM POWER BANK with 20KWh BATTERY



INVERTER

- ❖ Pure sine wave solar inverter.
- ❖ Built-in MPPT solar charger.
- ❖ WiFi Monitoring Function (optional).
- ❖ Compatible with lithium-ion battery.
- ❖ High PV input voltage range.
- ❖ Smart battery charge design to optimize battery life.
- ❖ Solar energy is provided directly to the load first.
- ❖ Can meet the rich custom needs of customer.



BATTERY

- ❖ The power supply adopts high-performance LiFePO4 battery, which has high safety performance and long service life.
- ❖ External weak current switch reduces product power consumption and improves safety.
- ❖ Energy storage power supply with foot pads and wall mount, which can be installed and used in different occasions.
- ❖ Possess multiple protection functions to protect the safety of the power supply in all positions.
- ❖ Stable output, can be connected to different types of loads within the voltage range.
- ❖ Supports 16 parallels and 485 communicate.

INVERTER

SPECIFICATION	<ul style="list-style-type: none">➤ Model: BST-HPL-10000W➤ Rated Power: 12000VA/10000W
INPUT	<ul style="list-style-type: none">➤ Voltage: 230VAC➤ Selectable voltage range: 170-280VAC➤ Frequency Range: 50Hz / 60Hz (Auto sensing)
OUTPUT	<ul style="list-style-type: none">➤ AC Voltage Regulation (Batt. Mode): 230VAC±5%➤ Surge Power: 20000W➤ Efficiency (Peak) PV to INV: 98%➤ Efficiency (Peak) BAT to INV: 94%➤ Transfer Time:<ul style="list-style-type: none">• 10ms (for personal computers)• 20ms (for home appliances)➤ Wave Form: Pure sine wave
BATTERY & AC CHARGER	<ul style="list-style-type: none">➤ Battery Voltage: 48VDC➤ Floating Charge Voltage: 54VDC➤ Overcharge Protection: 57.6VDC
SOLAR CHARGER & AC CHARGER	<ul style="list-style-type: none">➤ Solar Charger Type: MPPT➤ Max. PV Array Power: 2*5500W➤ MPPT Range @ Operating Voltage: 120-500VDC➤ Maximum PV Array Open Circuit Voltage: 500VDC➤ Maximum Solar Charging Current: 150A➤ Maximum AC Charging Current: 60A➤ Maximum Solar + AC Charging Current: 150A
PHYSICAL	<ul style="list-style-type: none">➤ Dimension DxWxH(mm): 643x502x181➤ Net Weight: 19kg➤ Communication Interface:<ul style="list-style-type: none">• RS485/RS232 (Standard)• GPRS/WIFI (optional)
OPERATING ENVIRONMENT	<ul style="list-style-type: none">➤ Humidity: 5% to 95% Relative Humidity (Non-condensing)➤ Operating Temperature: 0°C to 55°C➤ Storage Temperature: -15°C to 60°C

BATTERY

MODEL	➤ Model: BST-PWBA48200
CELL SERIES CONNECTION	16S
RATED ENERGY	10.25KWH
RATED VOLTAGE	51.2V
RECOMMEND CHARGE CUT-OFF VOLTAGE	57.6V
RECOMMEND DISCHARGE CUT-OFF VOLTAGE	48V
MAXIMUM CHARGE & DISCHARGE CURRENT	200A @ 10S
RECOMMEND CHARGE & DISCHARGE CURRENT	≤160A
MAXIMUM OUTPUT POWER	10000W @ 10S
RECOMMEND OUTPUT POWER	≤8000W
DOD	≥95%
CYCLELIFE	6000 CYCLES @ 80% DOD, 25° C
COMMUNICATION METHOD	RS485/CAN/RS232
OPERATING TEMPERATURE	0-60° C
IP	IP21
PRODUCT SIZE (L x W x H)	535mm x 160mm x 740mm
NET WEIGHT	85.5 kg
PACKING SIZE (L x W x H)	615mm x 335mm x 820mm
GROSS WEIGHT	103.2 kg

Installed



✓ **Reliable Backup Power**

- Powers fridges, A/Cs, lights, Wi-Fi, water pumps during blackouts.
- 20kWh battery provides hours of backup.

✓ **Energy Cost Savings (With Solar)**

- Stores excess solar energy for night use or peak hours.
- Reduces electricity bills & grid dependence.

✓ **Smart Energy Management**

- App-based monitoring for usage tracking.
- Compatible with solar setups or standalone use.