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 highperformance 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.

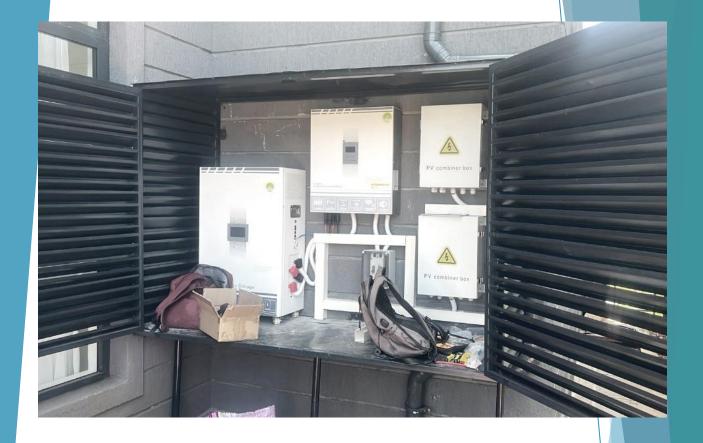
INVERTER

SPECIFICATION	Model: BST-HPL-10000WRated Power: 12000VA/10000W
INPUT	 Voltage: 230VAC Selectable voltage range: 170-280VAC Frequency Range: 50Hz / 60Hz (Auto sensing)
OUTPUT	 AC Voltage Regulation (Batt. Mode): 230VAC±5% Surge Power: 20000W Efficiency (Peak) PV to INV: 98% Efficiency (Peak) BAT to INV: 94% Transfer Time: 10ms (for personal computers) 20ms (for home appliances) Wave Form: Pure sine wave
BATTERY & AC CHARGER	 Battery Voltage: 48VDC Floating Charge Voltage: 54VDC Overcharge Protection: 57.6VDC
SOLAR CHARGER & AC CHARGER	 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	 Dimension DxWxH(mm): 643x502x181 Net Weight: 19kg Communication Interface: RS485/RS232 (Standard) GPRS/WIFI (optional)
OPERATING ENVIRONMENT	 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 <u>solar setups</u> or standalone use.