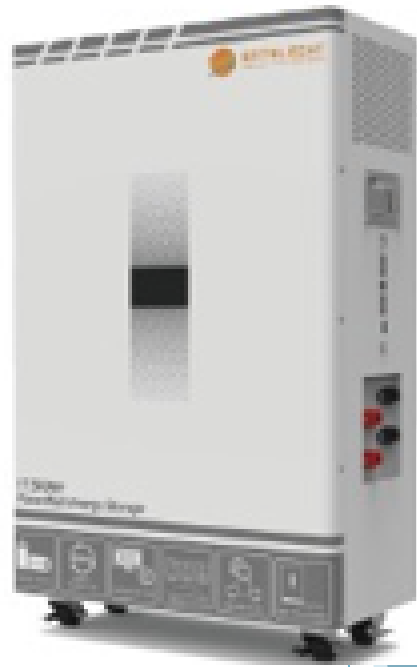


# 10KW MGM POWER BANK with 20KWh BATTERY



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

# 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