

BOLD SERIES

MPPT Solar Inverter



Features:

- Work at 2 different voltages : 12VDC or 24VDC. It can meet different loads needs of users.
- Rated power is 2300W when work at 12VDC, rated power is 4200W when work at 24VDC
- Dual use on one inverter World's first creation in 2025
- Pure sine wave output inverter
- According to the requirements of load (household appliances/personal computers), the input voltage range of utility grid can be selected
- According to the battery requirements, the charging current can be set through LCD
- Solar energy and utility grid can power loads at the same time
- AC input is compatible with mains and generator
- Automatic restart function when mains power is restored
- Overload/Over temperature/ short circuit protection
- The intelligent charging design of battery makes the battery more fully utilized
- RS485 port Used for communication with BMS
- Cold start function
- Built-in MPPT operating voltage range 55V~500V, open circuit voltage 500Voc
- WIFI remote monitoring Bluetooth near end sampling(optional)
- Built-in anti-dust kit for harsh environment
- RGB lights (optional)

MODEL		BOLD 401224PV6500	
Battery Voltage	12V	24V	
Rated output power	2300VA/2300W	4200VA/4200W	
Frequency range	50 Hz/60Hz(Auto Sensing)		
INPUT			
Voltage	230VAC		
Selectable Voltage Range	170-280VAC(For Personal Computers)	90-280VAC(For Home Appliances)	
OUTPUT			
AC Voltage Regulation(Batt.Mode)	230VAC 5%		
Surge Power	4600W	8400W	
Efficiency (peak)Battery to INV	94%		
Transfer Time	10ms(For Personal Computers); 20ms(For Home Appliances)		
Overcharge Protection	16VDC	32VDC	
BATTERY&AC CHARGE			
Battery Voltage	12V	24V	
Floating Charge Voltage	13.5V	27V	
Maximum Charge Current	100A		
SOLAR CHARGE			
Maximum PV Array Power	6500W		
MPPT Range @ Operating Voltage	55-500VDC		
Maximum PV Array Open Circuit Voltage	500VDC		
Maximum Charge Current	100A		
PHYSICAL			
Dimension. H*W*D(mm)	405*305*108		
Net Weight(kgs)	6.7		
Humidity	5% to 95% Relative Humidity(Non- condensing)		
Storage Temperature	-20 C ~ 60 C		
OPERATING ENVIRONMENT			
Operating Temperature	-20 C ~ 55 C		
INTERFACE			
Communication interface	RS485/RS232 BMS/WIFI Bluetooth		
Expansion slot communication interface	Lithium Battery BMS Communication Card, Wifi Card, Dry Contact		
Parallel interface	No Parallel Connect		
ENVIRONMENTAL PARAMETERS			
Operating ambient temperature	-10°C-+50°C		
Operating environment humidity	20%-95%(No condensation)		
Storage temperature	-15°C-+60°C		
noise	<45dB		
PHYSICAL PARAMETERS			
Depth x width x height (mm)	482*371*176mm		
Standards and certifications	EN-IEC60335-1,EN-IEC60335-2-29,IEC62109-1		