

PSi5200W#48VPVM

Features:

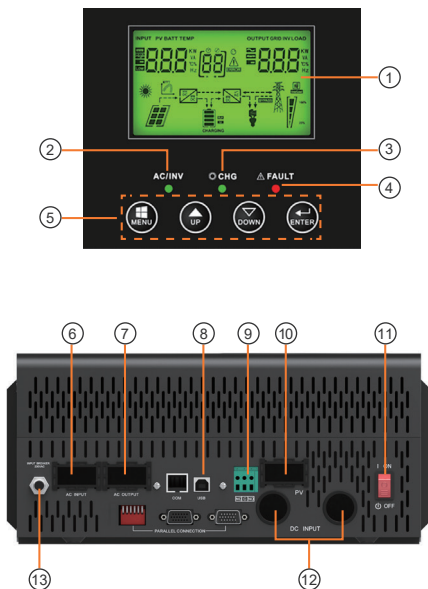
- >> Pure sine wave output
- >> Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- >> Built-in MPPT 80A solar charge controller
- >> MAX PV Array Open Circuit Voltage: 450V
- >> Can provide the power to the load without battery
- >> Combining solar system, AC utility, and battery power source to supply continuous power
- >> Overload, short circuit and Deep discharge protection
- >> Cold start function
- >> Support USB monitoring function
- >> Can Run Without Battery



Introduction

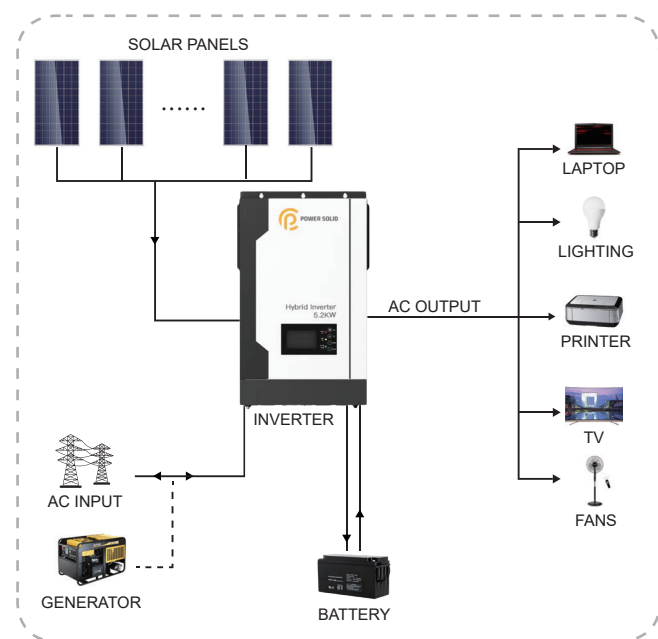
PSi5200W#48VPVM Series is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. PSi5200W#48VPVM Series can run without battery. The Maximum PV array open circuit voltage can reach 450V and MPPT voltage is 150~450V, which can help customers make full use of solar energy.

Back panel printing description



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|-----------------------|-------------------------|
| 1. LCD Display | 8. USB |
| 2. Status Indicator | 9. Dry Contact |
| 3. Charging Indicator | 10. PV Input |
| 4. Fault Indicator | 11. Power On/Off Switch |
| 5. Function Buttons | 12. Battery Input |
| 6. AC Input | 13. Circuit breaker |
| 7. AC Output | |

Solar system connection



Technical specifications

Model	PSi5200W#48VPVM
Nominal Battery System Voltage	48VDC
INVERTER OUTPUT	
Rated Power	5200VA \ 5200W
Surge Power	10KW
Waveform	Pure sine wave
AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)
Inverter Efficiency (Peak)	90%~93%
Transfer Time	10ms (Narrow Range) 20ms (Wide Range)
AC INPUT	
Voltage	230VAC±5%
Selectable Voltage Range	170~280VAC (narrow range) \ 90~280VAC (wide range)
Frequency Range	50Hz/60Hz (Auto sensing)
BATTERY	
Normal voltage	48VDC
Floating Charge Voltage	54.8VDC
Overcharge Protection	60VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Open Circuit Voltage	450VDC
Maximum PV Array Power	5000W
PV Array MPPT Voltage Range	150~450 VDC
Maximum Solar Charge Current	80Amp/100Amp
Maximum AC Charge Current	60Amp
Maximum Charge Current	140Amp\160Amp
MECHANICAL SPECIFICATIONS	
Machine Dimensions (W*H*D) (mm)	330*488*119
Package Dimensions (W*H*D) (mm)	396*638*241
Net Weight(kg)	14
Gross Weight(kg)	16.4
OTHER	
Humidity	5% to 95% Relative humidity (non-condensing)
Operating Temperature	-10°C ~50°C
Storage Temperature	-15°C ~60°C