

MPI3.5KW#24VPVM

3.5KW Solar Inverter



Features:

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built-in MPPT solar charge controller
- MAX PV Array Open Circuit Voltage: 400V
- 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, RS485, CAN monitoring function
- WIFI remote monitoring (Built in wifi module and antenna)
- PV/ AC activation function
- BMS communication function

Technical Specifications

MODEL		MPI3.5KW#24VPVM
Nominal Battery System Voltage		24VDC
INVERTER OUTPUT	Rated Power	3500VA / 3500W
	Surge Power	7000W
	Waveform	Pure sine wave
	AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)
	Inverter Efficiency(Peak)	90%
	Transfer Time	10ms (UPS / VDE4105) / 20ms (APL)
AC INPUT	Voltage	230VAC±5%
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VED4105)
	Frequency Range	50Hz / 60Hz(Auto sensing)
BATTERY	Normal voltage	24VDC
	Floating Charge Voltage	27.4VDC
	Overcharge Protection	30VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	400VDC
	Maximum PV input voltage	18A
	Charging Algorithm	3-Step (Flooded Battery, AGM / GEL / LEAD Battery), 4-Step (Li)
	Maximum PV Array Power	4000W
	PV Array MPPT Voltage Range	60~320 VDC
	Maximum Solar Charge Current	100A
	Maximum AC Charge Current	60A
	Maximum Charge Current	100A
MECHANICAL SPECIFICATIONS	Machine Dimension (W*H*D)	367.5*120.9*318mm
	Package Dimension (W*H*D)	459.410*200mm
	G.W	6.7kg
	N.W	7.7kg
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)
	Operating Temperature	0°C~50°C
	Storage Temperature	-15 ~60