All IN ONE SOLAR INVERTER

GPS-MV

ntroduction:

The MPS-V series all in one solar system is the perfect go-to solution for off-grid, backup power for homes, small business ,and it also delivers a value added, easy to install system that provides efficient power globally for every need.

Features:

- High efficiency pure sine wave inverter(PF=1);
- Wide PY Input range (120Vdc:-500Vdc) 80A MPPT SCC; intelligent 3 stage 60A/80A AC charger.
- Surges to 2X continuous power for 5 seconds for motor loads.
- Intelligent functionality enables utility and solar input prioritization.
- Wide utility Input range(90Vac-280Vac)for unreliable grid even
- In the most challenging environments.
- Field serviceable with replacement boards and spare parts.
- Monitor, troubleshoot, or communication with USB/RS232.
- System configures quickly into compact, wall-mounted system.
- Can Work without batteries in sunny days

Solar System Connection

GPS-MV All in one solar inverter

GAMA®-TRON

model	3200VA/3200W	5000VA/5000W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers)	
	90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	6000VA	10000VA
Efficiency (Peak) PV to INV.	97%	
Efficiency (Peak) Battery to INV.	94%	
Transfer Time	10 ms (For Personal Computers) ;20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY & AC CHARGER		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
Maximum Charge Current	80A	
SOLAR CHARGER		
Maximum PV Array Power	4000 W	60A
MPPT Range @ Operating Voltage	120-450 VDC	
Maximum PVArray Open Circuit Voltage		
Maximum Charging Current	80A	
Maximum Efficiency	98%	500VDC
PHYSICAL		
Dimension, D x W x H (mm)	100 x 300 x 440	
Net Weight (kgs)	9	10
Communication interface	USB/RS232	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	

* Product specifications are subject to change without further notice.