

**EverExceed**<sup>®</sup>  
power your applications



**VPS**

**VPS-MS-V**

All in one solar inverter

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.

### Key Features:

- Integrates:  
high efficiency pure sine wave inverter (PF=1);  
wide PV input range (120Vdc--500Vdc) 80A MPPT SCC;  
intelligent 3 stage 60A 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.
- Working without batteries in sun day.



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