



# Universal Inverter ORVALDI MKS & MVII

ORVALDI MKS & MVII is equipped with MPPT solar charge controller to maximize and regulate DC power from the solar array for charging the battery bank. Transformer less design provides reliable power conversion in compact size. Besides, it's worry-free to start up motor-type loads such as refrigerators, motors, pumps, compressors and laser printers as well as electronic loads like TVs, Computers, power tool and battery chargers..

## Main Features:

- Pure sine wave solar inverter
- Wide DC input range
- Configurable AC/Solar input priority via LCD setting
- Compatible with mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function



<b>MODEL</b>	<b>ORVALDI MKS5K easy Solar Sinus</b>	<b>ORVALDI MVI5K Solar Sinus</b>
Rated Power	5000VA/5000W	5000VA/5000W
<b>INPUT</b>		
Voltage	230 VAC	
Selectable Voltage Range	180-280 VAC	
Frequency Range	50/60 Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230 VAC $\pm$ 5%	
Efficiency (Peak)	95%	
Transfer Time	10 ms (max)	
Waveform	Pure Sine Wave	
<b>BATTERY</b>		
Battery Voltage	48 VDC	48 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Maximum PV Array Open Circuit Voltage	<b>145 VDC</b>	<b>500 VDC</b>
MPPT controller power	3000 W	4000 W
Maximum Solar Charge Current	60 A	80 A
Maximum AC Charge Current	30 A	30 A
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	140 x 295 x 450	100 x 300 x 440
Net Weight (kg)	13,5	11
Communication Port	USB/RS-232	
<b>OPERATING ENVIRONMENT</b>		
Operating Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C do 55°C	
Storage Temperature	-15°C do 60°C	