



# PV Grid Tied Inverter Hosola Sunrays Series Three Phase Inverter

4000MTL 5000MTL 6000MTL 7000MTL  
8000MTL 9000MTL 10000MTL 12000MTL

**New  
product**



- ★ **3-Phase String Inverter**
- ★ **Wide Range Of DC Input & MPPT Voltage**
- ★ **Easy Maintenance**
- ★ **High Cost Performance**

## ● High-yield

- Euro efficiency 97.5%
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range from 200V to 1000V



Hosola SolarMAN online monitoring system  
Easy to monitor at anytime anyplace you like!



- Internet-based remote management system
- Real time monitoring and data recording
- Communicative display
- Customized service
- Periodical report on system operation status

## ● Flexible and economical

- Built-in PV Combiner (optional)
- DC switch. AC switch (optional)
- DC surge protection device (optional)
- AC surge protection device (optional)
- Power management unit
- Optimum selection for large PV plants, commercial projects and so on.

## ● Low maintenance cost

- Detachable cover for easy installation
- Rusty-free aluminum covers
- Flexible and mature monitoring solution
- Multi-function relay can be configured to display inverter information

SolarMAN App  
Download



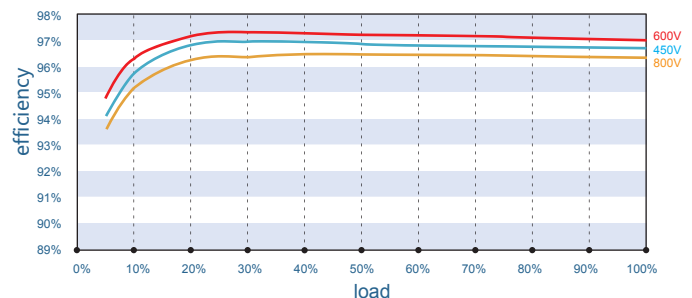
For Apple user



For Android user

## ● Intelligent grid management

- LVRT support
- Reactive power adjustable
- Self power reduction at over frequency
- Remote active/reactive power limit control





## Hosola Sunrays Series Technical Data

High  
Safety

High  
Quality

High  
Efficiency

Model	4000MTL	5000MTL	6000MTL	7000MTL	8000MTL	9000MTL	10000MTL	12000MTL
<b>Input (DC)</b>								
Max. DC input power [W]	4300	5300	6500	7500	8500	9500	10500	12000
Max. DC voltage [V]	1000	1000	1000	1000	1000	1000	1000	1000
Max. DC Current [A]	11.5/11.5	12.5/12.5	15/15	15/15	15/15	15/15	15/15	15/15
No. of MPP	2	2	2	2	2	2	2	2
MPPT voltage range [V]	200-800	215-800	215-800	250-800	280-800	315-800	350-800	400-800
Turn on/Turn off DC voltage [V]	200/150	200/150	200/150	200/150	200/150	200/150	200/150	200/150
<b>Output (AC)</b>								
Rated AC power [W]	4000	5000	6000	7000	8000	9000	10000	11500
Max. AC Power [W]	4000	5000	6000	7000	8000	9000	10000	11500
Max. AC Current [A]	7	8.5	10	11.5	13	15	15.5	16
Rated AC Voltage[V]	3/N/PE,230/400	3/N/PE,230/400	3/N/PE,230/400	3/N/PE,230/400	3/N/PE,230/400	3/N/PE,230/400	3/N/PE,230/400	3/N/PE,230/400
Rated AC Frequency/ Range [Hz]	50/47~53	50/47~53	50/47~53	50/47~53	50/47~53	50/47~53	50/47~53	50/47~53
Power factor	0.9 leading...0.9 lagging	0.9 leading...0.9 lagging	0.9 leading...0.9 lagging	0.9 leading...0.9 lagging	0.9 leading...0.9 lagging	0.9 leading...0.9 lagging	0.9 leading...0.9 lagging	0.9 leading...0.9 lagging
THD	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
<b>Efficiency</b>								
Euro efficiency	97.3%	97.3%	97.4%	97.4%	97.4%	97.5%	97.5%	97.5%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
<b>Safety &amp; Protection</b>								
Overvoltage protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Earth fault protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Mains monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Earth fault current monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC injection monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Islanding protection	AFD	AFD	AFD	AFD	AFD	AFD	AFD	AFD
<b>General Data</b>								
Weight [kg]	33	33	33	33	33	33	33	33
Dimension (W/H/D) [mm]	620*525*160							
Operating Temperature Range[°C]	-20~+60/-4~140							
IP protection type	IP 65 according to IEC 60529							
Isolation type	transformerless							
Cooling	Convection							
Noise level	< 35 dBA							
LCD display	4.0*LCD							
Communication	RS232/485 (Wireless/zigbee optional)							
Standard warranty (years)	5/10(optional)							
Certificates								

