



# PV Grid Tied Inverter Hosola Sunrays Series Three Phase Inverter

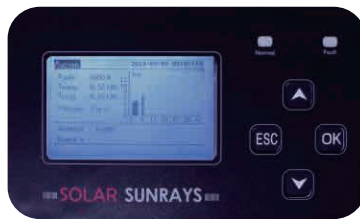
New product



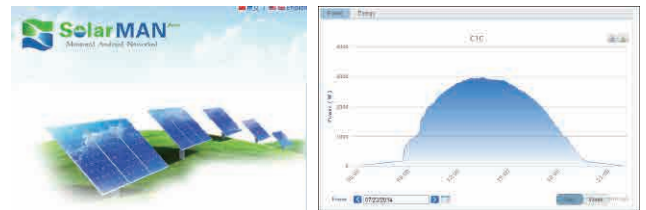
- ★ 3-Phase String Inverter
- ★ Wide Range Of DC Input & MPPT Voltage
- ★ Easy Maintenance
- ★ High Cost Performance

## High-yield

- Max. efficiency 98.0%
- 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



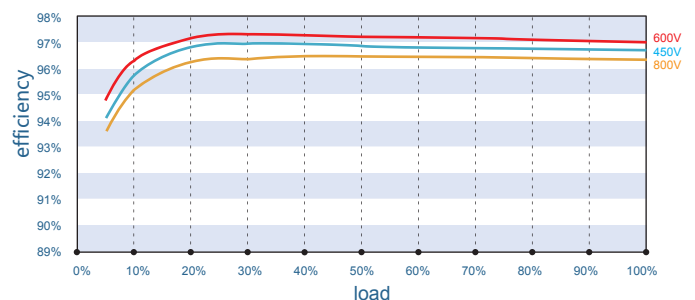
For Apple user



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

Type	4000MTL	5000MTL	6000MTL	7000MTL	8000MTL	9000MTL	10000MTL	12000MTL	15000MTL	17000MTL	20000MTL
<b>DC input data</b>											
Max. PV-generator power [W]	4300	5300	6500	7500	8500	9500	10500	12000	15340	17410	20500
Max. DC Voltage [V]	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Operating Voltage Range [V]	200-1000	200-1000	200-1000	200-1000	200-1000	200-1000	250-1000	250-1000	200-1000	200-1000	250-1000
MPPT voltage range [V]	215 - 800	215 - 800	215 - 800	250 - 800	280 - 800	300 - 800	350 - 800	400 - 800	380-800	430-800	500-800
Turn on/Turn off DC Voltage [V]	200/150	200/150	200/150	200/150	200/150	200/150	200/150	200/150	200/160	200/160	200/160
Max. DC current [A]	10/10	12.5/12.5	15/15	15/15	15/15	15/15	15/15	15/15	20/20	20/20	20/20
Numbers of MPPT	2	2	2	2	2	2	2	2	2	2	2
Strings per MPPT	1	1	1	1	2	2	2	2	2	2	2
DC Switch	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Output data</b>											
Grid connection	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase
Rated AC power [W]	4000	5000	6000	7000	8000	9000	10000	11000	15000	17000	20000
Max. AC Power [W]	4000	5000	6000	7000	8000	9000	10000	11000	15000	17000	20000
Max. AC Current [A]	7	8.5	10	11.5	13	15	15.5	16	24*3	25*3	30*3
Rated AC Voltage	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	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	50/47~53	50/47~53	50/47~53
Power factor(adjustable)	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	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%	<3%	<3%	<3%
<b>Efficiency</b>											
Efficiency	97.8%	97.8%	97.8%	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%
Euro efficiency	97.3%	97.3%	97.4%	97.4%	97.4%	97.5%	97.5%	97.5%	97.5%	97.5%	97.5%
MPPT adaptation efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
<b>Safety equipment</b>											
DC Insulation monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Earth fault protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Mains monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Earth fault current monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC current monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Islanding protection	AFD	AFD	AFD	AFD	AFD	AFD	AFD	AFD	AFD	AFD	AFD
<b>General data</b>											
Weight [kg]	28	28	28	29	30	31	32	45	45	48	48
Dimension (W*H*D) [mm/in]	620*525*160										
Operating Temperature Range[°C/°F]	-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 ( optional )										
Standard warranty (years)	5										
Certificates	AS4777,G83,G59,EN61000-3-2,EN61000-6-1/2/3/4,IEC-62109-1,IEC-62109-2,VDE0126-1-1,EN50438										

