



# Hosola Smart Series Single Phase Inverter

## PV Grid Tied Inverter

1000TL/ 1600TL/ 2200TL/2500TL/ 3000TL



### Ideal For Residential Use

Hosola Smart Series inverter was designed with the intention of producing a reliable inverter at an affordable price. To reach this point, 90% of the materials we sourced are from world well-known brands like Fujitsu, Infineon, Nippon Chemi-con and so on, which ensures high quality of our inverters.



### High Conversion Efficiency

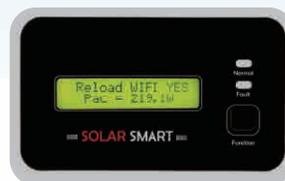
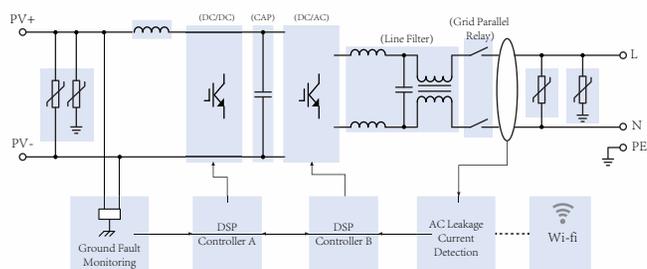
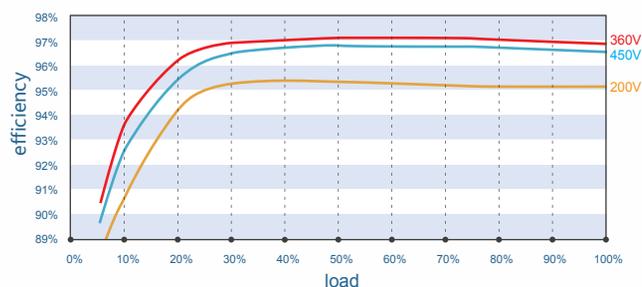
- Dynamic MPPT
- Max. efficiency 97.0%
- Wide MPPT voltage

### High Safety

- Hi-Pot Test before leaving factory
- Over voltage, islanding, short circuit, overload and under voltage automatic protection

### Low Failure Rate

- Totally New Topological Structure
- Extreme Environmental Test



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

SolarMAN App  
Download



For Apple user



For Android user



## Hosola Smart Series Technical Data

High  
 Safety

High  
 Quality

High  
 Efficiency

Type	Smart 1000TL	Smart 1600TL	Smart 2200TL	Smart 2500TL	Smart 3000TL
<b>Input data</b>					
Max. DC input power [W]	1100	1750	2350	2700	3200
Max. DC Voltage [V]	550	550	550	550	550
Operating Voltage Range [V]	90-550	100-550	100-550	100-550	100-550
MPPT Voltage Range [V]	90-500	160-500	180-500	180-500	240-500
Max. DC current [A]	11	11	13	13	13
No. of MPPT	1	1	1	1	1
Strings per MPPT	1	1	1	1	1
<b>Output data</b>					
Grid connection	Single phase	Single phase	Single phase	Single phase	Single phase
Rated AC power [W]	1000	1600	2200	2500	3000
Max. AC Power [W]	1000	1600	2200	2500	3000
Max. AC Current [A]	5	8	11	12	14
Rated AC Voltage/ Range [V]	230/180~270	230/180~270	230/180~270	230/180~270	230/180~270
Rated AC Frequency/ Range [Hz]	50/47~52	50/47~52	50/47~52	50/47~52	50/47~52
Power factor	0.99	0.99	0.99	0.99	0.99
THD	<3%	<3%	<3%	<3%	<3%
<b>Efficiency</b>					
Max. efficiency	97.0%	97.0%	97.0%	97.0%	97.0%
Euro efficiency	96.5%	96.5%	96.5%	96.5%	96.5%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
<b>Safety equipment</b>					
Overvoltage protection	Integrated	Integrated	Integrated	Integrated	Integrated
Earth fault protection	Integrated	Integrated	Integrated	Integrated	Integrated
Mains monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Earth fault current monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
DC Injection monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Islanding protection	AFD	AFD	AFD	AFD	AFD
<b>General data</b>					
Weight [kg]	10	10.2	10.5	13	13
Dimension ( W*H*D ) [mm]	283*363*128				
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	Backlight, 16 x 2 Character LCD				
Communication	RS232 (Wireless optional)				
Standard warranty (years)	5/10 (optional)				
Certificates	AS4777,G83,G59,EN61000-3-2,EN61000-6-1/2/3/4,IEC-62109-1,IEC-62109-2,VDE0126-1-1,EN50438				

