



PV Grid Tied Inverter Hosola Sunrays Series Three Phase Inverter

Sunrays Series ST1000TL ST12000TL
ST15000TL ST17000TL ST20000TL

**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

● 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

● Intelligent grid management

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

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

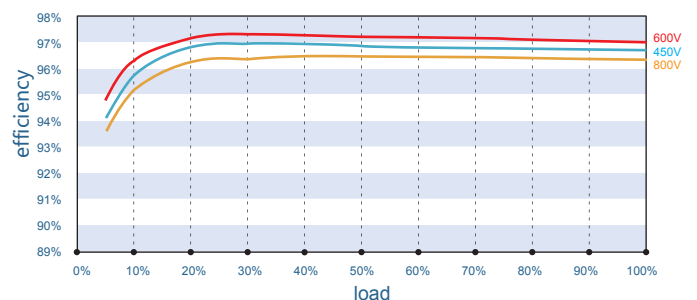
SolarMAN App
Download



For Apple user



For Android user





Hosola Sunrays Series Technical Data

High
 Safety

High
 Quality

High
 Efficiency

Model	ST10000TL	ST12000TL	ST15000TL	ST17000TL	ST20000TL
Input (DC)					
Max. DC Input Power [W]	10200	12250	15340	17410	20500
Max. DC Input Voltage [Vdc]	1000	1000	1000	1000	1000
Rated Voltage[Vdc]	610	610	610	610	610
MPPT Voltage Range for Normal Power [Vdc]	300-800	380-800	380-800	430-800	500-800
Max. Input Current for MPPT [A]	20/20	20/20	20/20	20/20	20/20
No. of MPPT / Max. Number of PV Strings per MPPT	2/2	2/2	2/2	2/2	2/2
Output (AC)					
Max. AC Output Power [KW]	10	12	15	17	20
Max. AC Output Apparent Power [KVA]	10	12	15	17	20
Rated AC Voltage [Vac]	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
Grid Frequency [Hz]	50/60	50/60	50/60	50/60	50/60
Max. AC Output Current [A]	16	19	24	25	30
Power Factor [cosφ]	0.9leading-0.9lagging	0.9leading-0.9lagging	0.9leading-0.9lagging	0.9leading-0.9lagging	0.9leading-0.9lagging
THD	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	98.0%	98.0%	98.0%	98.0%	98.0%
Euro Efficiency	97.5%	97.5%	97.5%	97.5%	97.5%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
Safety and Protection					
Overvoltage /Undervoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Turn off/Turn on Voltage Setting	Integrated	Integrated	Integrated	Integrated	Integrated
Dc Insulation Resistance Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Earth Fault Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Grid Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Earth Fault Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Dc Component Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
General Data					
Dimension(W/H/D) [mm]	540/660/191.5				
Weight [kg]	40kg				
Operating Temperature Range [°C]	-25°C ~ +60°C				
IP Protection Type (IEC-60529)	IP65				
Climatic Category (IEC 60721-3-4)	4K4H				
Power consumption at night [W]	<1W				
Cooling	Air cooling				
LCD Display	LCD				
Relative Humidity Range	0-100% (Non-condensation)				
Communication	RS485/ Wifi (Optional)				
Standard Warranty	5/10/20 Years Free/Optional/Optional				

