



PV Grid Tied Inverter

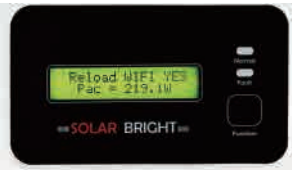
2000MTL/2500MTL/3000MTL/3680MTL/4200MTL
5000MTL/4200TL/5000TL/5000STL/5000DTL

Hosola Bright Series Single Phase Inverter



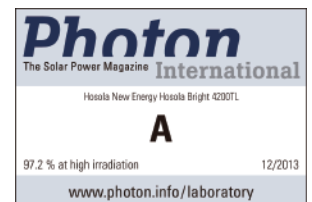
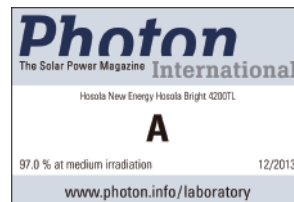
Ideal For Residential & Small Project Use

Hosola Bright Series inverter has gone through strict quality control tests on prototype before launching into the market. It integrates mature technology, making it easy to install. With our Hosola SolarMAN monitoring device, the reliability of Hosola inverter has reached a higher level.



- High Conversion Efficiency
 - Dynamic MPPT
 - Max. efficiency 97.4%
 - Wide MPPT voltage
- Easy-to-use
 - Optional Sunclix DC connector
- Better Communication
 - WiFi for global monitoring
 - Monitoring on Apple and Android
- Wide Selection
 - A total of 10 models for selection
- Low Noise
 - Self-developed topology
 - No fan design
 - Inductor Optimization

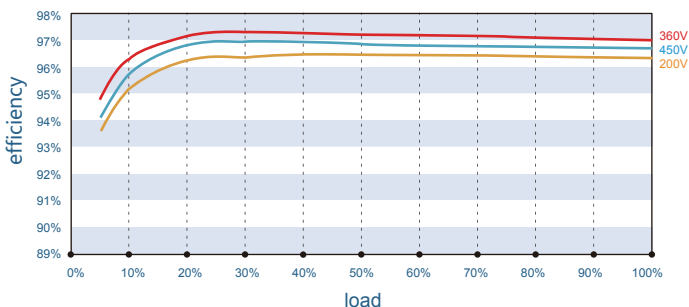
Hosola Bright 4200 TL Photon Test **Double A**



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 Bright Series Technical Data

High
Safety

High
Quality

High
Efficiency

Low
Noise

| Type | 2000MTL | 2500MTL | 3000MTL | 3680MTL | 4200MTL | 5000MTL | 4200TL | 5000TL | 5000STL | 5000DTL |
|------------------------------------|------------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|
| Input data | | | | | | | | | | |
| Max. DC input power [W] | 2200 | 2700 | 3200 | 4000 | 4600 | 5400 | 4600 | 5400 | For Australia | |
| Max. DC power for each MPPT [W] | 1300 | 1500 | 2000 | 2200 | 2600 | 3000 | 4600 | 5400 | 5000 | 3000 |
| Max. DC Voltage [V] | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 |
| Operating Voltage Range [V] | 90-550 | 90-550 | 100-550 | 100-550 | 100-550 | 100-550 | 100-550 | 100-550 | 100-550 | 100-550 |
| MPPT Voltage Range [V] | 90-500 | 90-500 | 145-500 | 150-500 | 150-500 | 175-500 | 220-500 | 220-500 | 220-500 | 165-500 |
| Max. DC current [A] | 11/11 | 11/11 | 11/11 | 13/13 | 15/15 | 15/15 | 20 | 25 | 20 | 15/15 |
| No. of MPPT | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 |
| Strings per MPPT | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| DC Switch | Optional | Optional | Optional | Optional | Optional | Optional | Optional | Optional | Optional | Optional |
| Output data | | | | | | | | | | |
| Grid connection | Single phase | Single phase | Single phase | Single phase | Single phase | Single phase | Single phase | Single phase | Single phase | Single phase |
| Rated AC power [W] | 2000 | 2500 | 3000 | 3680 | 4200 | 5000 | 4200 | 5000 | 4600 | 4600 |
| Max. AC Power [W] | 2000 | 2500 | 3000 | 3680 | 4200 | 5000 | 4200 | 5000 | 4600 | 4600 |
| Max. AC Current [A] | 10 | 13 | 15 | 16 | 21 | 24 | 21 | 24 | 22 | 22 |
| Rated AC Voltage/ Range [V] | 230/180~270 | 230/180~270 | 230/180~270 | 230/180~270 | 230/180~270 | 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 | 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 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| THD | <3% | <3% | <3% | <3% | <3% | <3% | <3% | <3% | <3% | <3% |
| Efficiency | | | | | | | | | | |
| Max. efficiency | 97.3% | 97.3% | 97.3% | 97.3% | 97.4% | 97.4% | 97.4% | 97.4% | 97.4% | 97.4% |
| Euro efficiency | 96.6% | 96.6% | 96.6% | 96.6% | 96.7% | 96.7% | 96.7% | 96.7% | 96.7% | 96.7% |
| MPPT efficiency | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% |
| Safety equipment | | | | | | | | | | |
| Overvoltage protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Earth fault protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Mains monitoring | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Earth fault current monitoring | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| DC Injection monitoring | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Islanding protection | AFD | AFD | AFD | AFD | AFD | AFD | AFD | AFD | AFD | AFD |
| General data | | | | | | | | | | |
| Weight [kg] | 17 | 17 | 17.9 | 18.5 | 18.9 | 18.9 | 18.9 | 18.9 | 18.9 | 18.9 |
| Dimension (W*H*D) [mm] | 348*506*148 | | | | | | | | | |
| 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 | | | | | | | | | |

