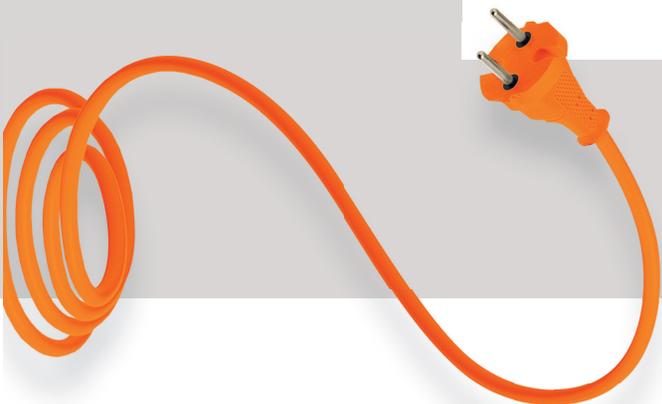


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ORANGE SOLAR[®]
SOLAR POWER SOLUTIONS

ORANGE SOLAR POWER

BRIGHT SERIES SINGLE-PHASE INVERTER

PV GRID TIED INVERTER
2000MTL/2500MTL
3000MTL/3680MTL
4200MTL/5000MTL

HIGH CONVERSION EFFICIENCY

EASY-TO-USE

BETTER COMMUNICATION

WIDE SELECTION

SILENT DESIGN



ORANGE SOLAR®
SOLAR POWER SOLUTIONS

BRIGHT SERIES SINGLE-PHASE

DEAL FOR RESIDENTIAL AND SMALL PROJECT USE

THE ORANGE SOLAR PRODUCTLINE

The Bright Series inverter has undergone strict quality control tests in prototyping before launching into the market. It integrates mature technology, making it easy to install. Thanks to the SolarMAN monitoring device, the Bright Series inverter ensures an unparalleled reliability.



HIGH CONVERSION EFFICIENCY

Dynamic MPPT
Max. efficiency 97.4%
Broad MPPT voltage

USER-FRIENDLY

Delivered with DC connectors

BETTER COMMUNICATION

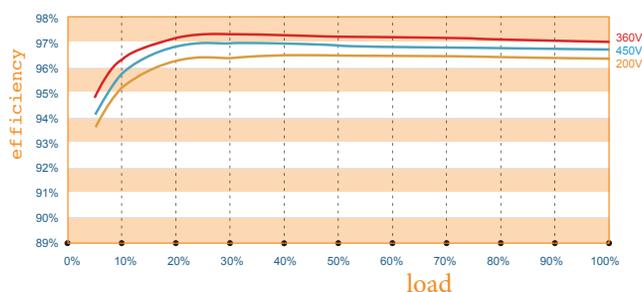
Integrated Wi-Fi for global monitoring
Monitoring on computer and mobile devices

WIDE SELECTION

Applicable to arrays with 8 to 22 modules

SILENT DESIGN

Self-developed topology
No-fan design
Optimized inductor



SOLARMAN ONLINE MONITORING SOFTWARE EASY MONITORING, WHEREVER YOU ARE!



- Internet-based remote management system
- Real-time monitoring and data recording
- Communicative display
- Customized service
- Periodic status reports on system operations



FACTS AND FIGURES THE EASY WAY

The table below lists the technical specifications of the product you are considering to purchase. Your contractor, of course, also has access to this information and more. Nevertheless, should you have any questions concerning this data please do not hesitate to contact our service center by telephone at +31 (0)164 76 38 26, via e-mail: info@o-solar.com, or visit our website: www.o-solar.com.

FACTS AND FIGURES

Type	2000MTL	2500MTL	3000MTL	3680MTL	4200MTL	5000MTL
Input Data (DC)						
Max. DC input power (W)	2200	2700	3200	4000	4600	5400
Max. DC power per MPPT (W)	1300	1500	2000	2200	2600	3000
Max. DC voltage (V)	550	550	550	550	550	550
Operating voltage range (V)	90-550	90-550	100-550	100-550	100-550	100-550
MPPT voltage range (V)	90-500	90-500	145-500	150-500	150-500	175-500
Max. DC current (A)	11/11	11/11	11/11	13/13	15/15	15/15
No. of MPPTs	2	2	2	2	2	2
Strings per MPPT	1	1	1	1	1	1
DC switch	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Data (AC)						
Grid connection	Single-phase	Single-phase	Single-phase	Single-phase	Single-phase	Single-phase
Rated AC power (W)	2000	2500	3000	3680	4200	5000
Max. AC power (W)	2000	2500	3000	3680	4200	5000
Max. AC current (A)	10	13	15	16	21	24
Rated AC voltage/range (V)	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
Power factor	0.99	0.99	0.99	0.99	0.99	0.99
THD	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency						
Max. efficiency	97.3%	97.3%	97.3%	97.3%	97.4%	97.4%
Euro efficiency	96.6%	96.6%	96.6%	96.6%	96.7%	96.7%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Safety equipment						
Overvoltage protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Earth fault protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC injection monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Islanding protection	AFD	AFD	AFD	AFD	AFD	AFD
General data						
Weight (kg)	17	17	17.9	18.5	18.9	18.9
Dimensions [W x H x D] (mm)	348 x 506 x 148					
Operating temperature range (°C)	-20~+60					
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 / Wi-Fi (standard)					
Standard warranty	10 years					
Certificates	AS4777, G83, G59, EN61000-3-2, EN61000-6-1/2/3/4, IEC-62109-1, IEC-62109-2, VDE0126-1-1, EN50438					