

GRID-TIE INVERTER

Grid-Tie Inverter for PV Solar Systems

FEATURES

- 3.3kW / 4kW / 5kW
- High MPPT efficiency up to 99.9%
- Max DC to AC efficiency up to 97.6%
- Dual MPP trackers can work either independently or parallel.
- Wide MPPT working range.
- Easy installation: hang and secure.
- Power factor adjustable.
- Integrated DC switch.
- Integrated WIFI and Ethernet.
- Professional settings with multilayer password management.
- Export control to the grid allowing Zero Grid Feed-In.

* Sophisticated control and monitoring software



* Base of unit, with WIFI antenna



Internal WIFI & Remote Monitoring
Export Control to the Grid
Easy upgrading via Ethernet Port

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Model	OGT3.3-1P	OGT4.0-1P	OGT5.0-1P
Input (DC)			
Max. recommended DC input power (W)	3300	4000	5000
Max. DC voltage (V)		550	
Nominal DC operating voltage (V)		360	
MPPT voltage range (V)		125-530	
Max. input current (A)	12	12/12	12/12
Max. short circuit current (A)	15	15/15	15/15
Number of MPP trackers	1	2	2
Strings per MPP tracker	1	1	1
Output (AC)			
AC nominal power (W)	3000	3680	4600
Nominal AC voltage: range (V)		230VAC 50/60Hz; 180~270VAC	
AC nominal current (A)	13	16	20
Max. AC current (A)	14.4	16	22.1
Total harmonic distortion (THD)		<3%	
Power factor (rated power)		1	
Displacement power factor		0.9 leading to 0.9 lagging	
Efficiency			
MPPT efficiency	99.9%	99.9%	99.9%
Euro-efficiency	97.0%	97.0%	97.0%
Max. efficiency	97.6%	97.6%	97.6%
Standby losses		<7W	
Display			
LCD		4 lines x 16 characters with backlight	
Communication interfaces		Ethernet / Dry contact / WIFI	
LED lights		4	
Push buttons		4	
General			
DC switch		Integrated	
Operating temperature range (°C)		-10~+50 (derating from 40)	
Storage stability range (°C)		-20~+60	
Altitude (m)		<2000	
Cooling concept		Forced airflow	
Noise emission (typical) (dB)		<40	
Humidity (%)		0~95 (non-condensing)	
Protection class		IP20 (for indoor use)	
Overvoltage category		III (electricity supply side), II (PV side)	
EMC standard		IEC61000-6-1/2/3/4	
Topology		Transformerless	
Warranty		5 Years Limited Warranty	
Dimensions (W/H/D) (mm)		490 x 595 x 167	
Weight (kg)		23.5	
Certificate	NRS 097-2-1, South Africa, Germany, Australia, Belgium, Netherlands, Denmark, Austria, UK, Italy		