

1.5-3.3kW On-grid Inverter

OGS-1.5/2.5/3.3K

97.5%

Max. Efficiency

15A

PV Input Current

60V

Start-up Voltage

110%

AC Overloading

Single-Phase

1 MPPT



Optimal Power

- 97.5% Max. Efficiency
- 15A PV input current per string, 1 MPP tracker



Strong Load

- 110% continuous AC output overloading
- 60V Start-up Voltage, longer working hours with low start-up voltage



Convenient Installation & Operation

- Plug & Play terminals for easy wiring
- OLED display and App for setting and data management



Flexible Design & Use

- IP65 for indoor and outdoor installation
- Compact size and elegant appearance



Integ O Series

The power operator

Model		OGS-1.5K	OGS-2.5K	OGS-3.3K
PV Input				
Start-up Voltage	[V]	60	60	60
Max. DC Input Voltage*	[V]	500*	500*	500*
Rated DC Input Voltage	[V]	360	360	360
MPPT Voltage Range*	[V]	50-450*	50-450*	50-450*
No. of MPP Trackers		1	1	2
No. of DC Inputs per MPPT		1/1	1/1	1/1
Max. Input Current	[A]	15/15	15/15	15/15
Max. Short-circuit Current	[A]	20/20	20/20	20/20
Grid Side				
Rated Output Power	[kW]	1.50	2.50	3.30
Max. Output Power	[kW]	1.65	2.75	3.30
Rated Output Apparent Power	[kVA]	1.50	2.50	3.30
Max. Output Apparent Power	[kVA]	1.65	2.75	3.30
Rated AC Voltage		L/N/PE; 220/230/240V		
Rated AC Frequency	[Hz]	50/60	50/60	50/60
Rated Output Current	[A]	6.50	10.90	14.40
Max. Output Current	[A]	7.20	12.00	14.40
Power Factor		0.8 leading ... 0.8 lagging		
Max. Total Harmonic Distortion		<3% @Rated output power		
DCI		<0.5%In	<0.5%In	<0.5%In
Efficiency				
Max. Efficiency		97.3%	97.5%	97.5%
European Efficiency		96.4%	97.0%	97.0%
MPPT Efficiency		99.9%	99.9%	99.9%
Protection				
DC Reverse Polarity Protection		Integrated		
Insulation Resistance Protection		Integrated		
Surge Protection		Integrated		
Over-temperature Protection		Integrated		
Residual Current Protection		Integrated		
Islanding Protection		Integrated		
AC Over-voltage Protection		Integrated		
Overload Protection		Integrated		
AC Short-circuit Protection		Integrated		
General Data				
Over Voltage Category		PV: II Main: III		
Dimensions	[W×H×D mm]	297×220×158		
Weight	[KG]	6.0		
Protection Degree		IP65		
Self-Consumption at Night	[W]	<1		
Topology		Transformerless		
Operating Temperature Range	[°C]	-30~60		
Relative Humidity	[%]	0~100		
Operating Altitude	[m]	3000 (>3000m derating)		
Cooling		Natural Convection		
Noise Level	[dB]	<25		
Display		OLED & LED		
Communication		RS485, WiFi/LAN/GPRS (Optional)		

* PV Max. Input voltage is 450V, otherwise inverter will be waiting;