

On-grid Inverter 1.5-3.3kW

OGS-1.5/2.5/3.3K

15A	60V	110%
Max. PV Input Current	Start-up Voltage	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

EN-OGS-1.5-3.3-NO1.01-2025
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On-grid Inverter 1.5-3.3kW

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	1
No. of DC Inputs per MPPT		1	1	1
Max. Input Current	[A]	15	15	15
Max. Short-circuit Current	[A]	20	20	20
Grid Side				
Rated Output Power	[kW]	1.5	2.5	3.3
Max. Output Power	[kW]	1.65	2.75	3.3
Rated Output Apparent Power	[kVA]	1.5	2.5	3.3
Max. Output Apparent Power	[kVA]	1.65	2.75	3.3
Rated AC Voltage		L/N/PE, 220/230/240V		
Rated AC Frequency	[Hz]	50/60		
Rated Output Current	[A]	6.5	10.9	14.4
Max. Output Current	[A]	7.2	12	14.4
Power Factor		0.8 leading …0.8 lagging		
Max. Total Harmonic Distortion		<3% @Rated output power		
DCI		<0.5%In		
Efficiency				
Max. Efficiency		97.30%	97.50%	97.50%
European Efficiency		96.40%	97.00%	97.00%
MPPT Efficiency		99.90%	99.90%	99.90%
Protection				
Integrated Protection		DC reverse polarity protection / Insulation resistance protection / Surge protection / Over-temperature protection / Residual current protection / Islanding protection / AC over-voltage protection /Overload protection / AC short-circuit protection		
General Data				
Over Voltage Category		PV: II Main: III		
Dimensions	[W×H×D mm]	297×220×158		
Weight	[KG]	6		
Protection Degree		IP65		
Self-consumption at Night	[W]	<1		
Topology		Transformerless		
Operating Temperature Range	[℃]	-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/4G (Optional)		

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

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