



On-grid Inverter 1.5-3.3kW

O2GS-1.5/2.5/3.3K

20A

Max. PV Input Current

50V

Start-up Voltage

Single-Phase | 1 MPPT



Optimal Power

- 97.5% Max. Efficiency
- 20A PV input current per string, 1 MPP tracker



Strong Load

- 50V Start-up Voltage, longer working hours with low start-up voltage



Convenient Installation & Operation

- Plug & Play terminals for easy wiring
- OLED 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

On-grid Inverter 1.5-3.3kW

Models		O2GS-1.5K	O2GS-2.5K	O2GS-3.3K
PV Side				
Max. PV Array Power		2.4	4	5.2
Max. PV Input Voltage *	[V]	500		
Rated PV Input Voltage	[V]	360		
Start-up Voltage	[V]	50		
MPPT Operating Voltage Range *	[V]	50-470		
No. of MPP Trackers		1	1	1
No. of Strings per MPPT		1	1	1
Max. Input Current per MPPT	[A]	20	20	20
Max. Short-circuit Current per MPPT	[A]	25	25	25
Grid Side				
Rated Output Power	[kW]	1.5	2.5	3.3
Max. Output Apparent Power	[kVA]	1.5	2.5	3.3
Rated AC Voltage		L/N/PE, 220/230V		
Rated AC Frequency	[Hz]	50/60		
Rated Output Current	[A]	6.8	11.4	15
Max. Output Current	[A]	6.8	11.4	15
Power Factor		0.8 leading ...0.8 lagging		
THDi (@Rated Power)		<3%		
Efficiency				
MPPT Efficiency		99.9%	99.9%	99.9%
Max. Efficiency		97.3%	97.5%	97.5%
European Efficiency		96.4%	97.0%	97.0%
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				
Dimensions	[W×H×D mm]	280×253×128		
Weight	[KG]	5.1		
Ingress Protection		IP65		
Standby Self-consumption	[W]	<1		
Topology		Transformerless		
Operating Temperature Range	[°C]	-30~60		
Relative Humidity	[%]	0~100		
Max. Operating Altitude	[m]	<3000		
Over Voltage Category		PV:II; Main:III		
Cooling		Natural		
Noise Level	[dB]	< 25		
Display		LED		
Communication		WIFI/LAN+Bluetooth		

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