



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
- LED 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

Model		O2GS-1.5K	O2GS-2.5K	O2GS-3.3K
PV Input				
Start-up Voltage	[V]	50		
Max. PV Input Voltage*	[V]	500*		
Rated PV Input Voltage	[V]	360		
Operating Voltage Range*	[V]	50-470*		
No. of MPP Trackers		1		
No. of PV Inputs per MPPT		1		
Max. PV Input Current	[A]	20		
Max. Short-circuit Current	[A]	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 Output Voltage		L/N/PE, 220/230V		
Rated Output Frequency	[Hz]	50/60		
Rated Output Current	[A]	6.8	11.4	15
Max. Output Current	[A]	6.8	11.4	15
Power Factor		>0.99 (0.8 leading ...0.8 lagging)		
Max. Total Harmonic Distortion		<3%		
DCI		<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				
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 / PV string current monitoring / DC switch / Grid monitoring		
General Data				
Over Voltage Category		PV: II Main: III		
Dimensions	[W×H×D mm]	280×253×128		
Weight	[KG]	5.1		
Ingress Protection		IP65		
Protective Class		I		
Self-Consumption at Night	[W]	<1		
Inverter Topology		Transformerless		
Operating Temperature Range	[°C]	-30~60		
Relative Humidity	[%]	0~100		
Operating Altitude	[m]	<3000		
Cooling		Natural		
Display		LED		
Communication		Bluetooth+WiFi		
Compliance		IEC 62109; IEC 61727; IEC 60068; IEC 61683		

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