

On-grid Inverter 3.6-6kW

OGS-3.6/4.2/5/6K

15A
Max. PV Input Current

60V
Start-up Voltage

110%
AC Overloading

Single-Phase | 2 MPPTS



Optimal Power

- 98.1% Max. Efficiency
- 15A PV input current per string, 2 MPP trackers

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-3.6-6-NO1.01-2025
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Model		OGS-3.6K	OGS-4.2K	OGS-5K	OGS-6K
PV Input					
Start-up Voltage	[V]	60	60	60	60
Max. DC Input Voltage*	[V]	600*	600*	600*	600*
Rated DC Input Voltage	[V]	360	360	360	360
MPPT Voltage Range*	[V]	50-550*	50-550*	50-550*	50-550*
No. of MPP Trackers		2	2	2	2
No. of DC Inputs per MPPT		1/1	1/1	1/1	1/1
Max. Input Current	[A]	15/15	15/15	15/15	15/15
Max. Short-circuit Current	[A]	20/20	20/20	20/20	20/20
Grid Side					
Rated Output Power	[kW]	3.6	4.2	5.00[4)]	6
Max. Output Power	[kW]	3.96[1)]	4.6	5.50[5)]	6
Rated Output Apparent Power	[kVA]	3.6	4.2	5.00[6)]	6
Max. Output Apparent Power	[kVA]	3.96[2)]	4.6	5.50[7)]	6
Rated AC Voltage		L/N/PE, 220/230/240V			
Rated AC Frequency	[Hz]	50/60			
Rated Output Current	[A]	15.7	18.3	21.70[8)]	26.1
Max. Output Current	[A]	18.00[3)]	21.00[8)]	25.00[9)]	26.1
Power Factor		0.8 leading …0.8 lagging			
Max. Total Harmonic Distortion		<3% @Rated output power			
DCI		<0.5%In			
Efficiency					
Max. Efficiency		98.10%	98.10%	98.10%	98.10%
European Efficiency		97.50%	97.50%	97.50%	97.50%
MPPT Efficiency		99.90%	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]	358×300×158			
Weight	[KG]	9.8			
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 550V, otherwise inverter will be waiting;

1) G98: 3.68kW; 2) G98: 3.68kVA; 3) G98: 16.00A; 4) VDE-AR-N 4105: 4.60kW; 5) AS 4777.2: 5.0kW, VDE-AR-N 4105: 4.6kW; 6) VDE-AR-N 4105: 4.60kVA; 7) AS 4777.2: 5.0kVA, VDE-AR-N 4105: 4.6kVA; 8) VDE-AR-N 4105: 20.00A; 9) AS 4777.2: 21.7A, VDE-AR-N 4105: 20.0A;

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