

3.6-6kW On-grid Inverter

OGS-3.6/4.2/5/6K

98.1%

Max. Efficiency

15A

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

| 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] | 3.60 | 4.20 | 5.00 ⁴⁾ | 6.00 |
| Max. Output Power | [kW] | 3.96 ¹⁾ | 4.60 | 5.50 ⁵⁾ | 6.00 |
| Rated Output Apparent Power | [kVA] | 3.60 | 4.20 | 5.00 ⁶⁾ | 6.00 |
| Max. Output Apparent Power | [kVA] | 3.96 ²⁾ | 4.60 | 5.50 ⁷⁾ | 6.00 |
| Rated AC Voltage | | L/N/PE; 220/230/240V | | | |
| Rated AC Frequency | [Hz] | 50/60 | 50/60 | 50/60 | 50/60 |
| Rated Output Current | [A] | 15.70 | 18.30 | 21.70 ⁸⁾ | 26.10 |
| Max. Output Current | [A] | 18.00 ³⁾ | 21.00 | 25.00 ⁹⁾ | 26.10 |
| 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 | <0.5%In |
| Efficiency | | | | | |
| Max. Efficiency | | 98.1% | 98.1% | 98.1% | 98.1% |
| European Efficiency | | 97.5% | 97.5% | 97.5% | 97.5% |
| MPPT Efficiency | | 99.9% | 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] | 358×300×158 | | | |
| Weight | [KG] | 9.8 | | | |
| 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 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&C10/11: 5.0kW, VDE-AR-N 4105: 4.6kW; 6) VDE-AR-N 4105: 4.60kVA; 7) AS 4777.2&C10/11: 5.0kVA, VDE-AR-N 4105: 4.6kVA; 8) VDE-AR-N 4105: 20.00A; 9) AS 4777.2&C10/11: 21.7A, VDE-AR-N 4105: 20.0A;