



# On-grid Inverter 5-25kW

OGT-5/6/8/10/12/20/25K  
OGT-8/10/15K-P

**15A**

Max. PV Input Current

**180V**

Start-up Voltage

**IP66**

Protection Degree

Three-phase | Residential/Commercial | 2-3 MPPTs



## Optimal Power

- 98.6% Max. Efficiency
- 15A PV input current per string, 2-3 MPP trackers



## Strong Load

- 180V 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

- IP66 for indoor and outdoor installation
- Compact size and elegant appearance



# Integ O Serie

The Power Operator

## On-grid Inverter 5-25kW

Models	OGT-5K	OGT-6K	OGT-8K (OGT-8K-P)	OGT-10K (OGT-10K-P)	OGT-12K	OGT-15K-P	OGT-20K	OGT-25K
<b>PV Input</b>								
Start-up Voltage [V]	180							
Max. PV Input Voltage* [V]	1100*							
Rated PV Input Voltage [V]	620							
Operating Voltage Range* [V]	160-950*							
No. of MPP Trackers	2	2	2 (3)	2 (3)	3	3	3	3
No. of PV Inputs per MPPT	1/1	1/1	1/1 (1/1/1)	1/1 (1/1/1)	1/1/1	1/1/2	1/1/2	1/1/2
Max. PV Input Current [A]	15/15	15/15	15/15 (15/15/15)	15/15 (15/15/15)	15/15/15	15/15/30	15/15/30	15/15/30
Max. Short-circuit Current [A]	20/20	20/20	20/20 (20/20/20)	20/20 (20/20/20)	20/20/20	20/20/40	20/20/40	20/20/40
<b>Grid Side</b>								
Rated Output Power [kW]	5.0	6.0	8.0	10.0	12.0	15.0	20.0	25.0
Max. output apparent power [kVA]	5.0	6.0	8.0	10.0	12.0	15.0	20.0	25.0
Rated AC voltage	3L/N/PE; 220/380V; 230/400V; 240/415V							
Rated AC frequency [Hz]	50/60							
Rated Output Current [A]	7.6/7.2/6.9	9.1/8.7/8.3	12.1/11.6/11.1	15.2/14.5/13.9	18.2/17.4/16.7	22.7/21.7/20.8	30.3/29/27.8	37.9/36.2/34.7
Max. Output Current [A]	7.6	9.1	12.1	15.2	18.2	22.7	30.3	37.9
Power Factor	0.8 leading ...0.8 lagging							
Max. Total Harmonic Distortion	<3% @rated output power							
DCI	<0.5%ln							
<b>Efficiency</b>								
Max. Efficiency	98.1%					98.6%		
European Efficiency	97.9%					98.2%		
MPPT Efficiency	99.9%					99.9%		
<b>Protection</b>								
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							
<b>General Data</b>								
Over Voltage Category	PV: II ; Main: III							
Dimensions [W*H*D mm]	465×335×200							
Weight [KG]	19	19 (21)		21	24			
Ingress Protection	IP66							
Protective Class [W]	<1							
Self-Consumption at Night	Transformerless							
Inverter Topology [° C]	-30~60							
Operating Temperature Range [%]	0~100							
Relative Humidity [m]	3000 (>3000m Derating)							
Operation Altitude	Natural Convection					Smart Fan		
Cooling [dB]	<25					<40		
Display	OLED & LED							
Communication	RS485/WiFi/LAN/4G (Optional)							

\* PV Max. Input voltage is 950V, otherwise inverter will be waiting;