

5-25kW On-grid Inverter

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

98.6%

Max. Efficiency

15A

PV Input Current

180V

Start-up Voltage

Three-Phase

Residential

Commercial



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

- IP65 for indoor and outdoor installation
- Compact size and elegant appearance

Integ O Series

The power operator

Model		OGT-5K	OGT-6K	OGT-8K (OGT-8K-P)	OGT-10K (OGT-10K-P)	OGT-12K (OGT-12K-P)	OGT-15K-P	OGT-20K	OGT-25K
PV Input									
Start-up Voltage	[V]	180	180	180	180	180	180	180	180
Max. DC Input Voltage*	[V]	1100*	1100*	1100*	1100*	1100*	1100*	1100*	1100*
Rated DC Input Voltage	[V]	620	620	620	620	620	620	620	620
Operating voltage range*	[V]	160-950*	160-950*	160-950*	160-950*	160-950*	160-950*	160-950*	160-950*
No. of MPP Trackers		2	2	2; (3)	2; (3)	3	3	3	3
No. of DC 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	1/1/2
Max. 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	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	20/20/40
Grid Side									
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	30.3/29.0/27.8	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%In							
Efficiency									
Max. Efficiency		98.1%	98.3%	98.3%	98.6%	98.6%	98.6%	98.6%	98.6%
European Efficiency		97.9%	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%	98.2%
MPPT Efficiency		99.9%	99.9%	99.9%	99.9%	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 (Frequency shift)							
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]	465×335×200							
Weight	[KG]	19		19; (21)		21		23	
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				Natural Convection; (Smart Fan)	Smart Fan		
Noise Level	[dB]	<25				<25; (<40)	<40		
Display		OLED & LED							
Communication		RS485, WiFi/LAN/4G (Optional)							

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