



On-grid Inverter 5-25kW

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

OGT-8/10/12/15K-P

15A

Max. PV Input Current

180V

Start-up Voltage

IP66

Protection Degree

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

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



Integ O Series

The Power Operator

Distribution partner Switzerland

ELEKTRON AG | Riedhofstrasse 11 | CH-8804 Au Zürich
T +41 44 781 04 64 | solar@elektron.ch | elektron.ch

On-grid Inverter 5-25kW

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	
MPPT 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)	1/1/1	1/1/1	1/1/1	
Max. Input Current	[A]	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; (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										
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]	465×335×200								
Weight	[KG]	19		19; (21)		21		24		
Protection Degree		IP66								
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;