

# THREE PHASE COMMERCIAL & INDUSTRIAL SERIES ON-GRID INVERTER DATASHEET

GT 120K-3P | GT 125K-3P | GT 130K-3K  
GT 135K-3P | GT 136K-3P



10 Years Warranty



Easy to Service



Anti-PID function (Optional)



String intelligent monitoring (optional)



Zero Export & VSG Application



8 MPP trackers, Max. efficiency up to 98.8%



Wide Output Voltage Range



Inbuilt WiFi/GPRS/Bluetooth (Optional)



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MODEL	GT 120K-3P	GT 125K-3P	GT 130K-3P	GT 135K-3P	GT 136K-3P
<b>PV String Input Data</b>					
Max. PV Input Power (kW)	180	187.5	195	202.5	204
Max. PV Input Voltage (V)	1100				
Start-up Voltage (V)	250				
MPPT Voltage Range (V)	200-1000				
Rated PV Input Voltage (V)	600				
Max. Operating PV Input Current (A)	40+40+40+40+40+40+40				
Max. Input Short Circuit Current (A)	60+60+60+60+60+60+60				
No. of MPP Trackers/ No. of Strings MPP Tracker	8/4+4+4+4+4+4+4				
<b>AC Output Side</b>					
Rated AC Output Active Power (kW)	120	125	130	135	136
Max. AC Output Apparent Power (kVA)	132	135	135	135	136
Rated AC Output Current (A)	181.9/174	189.4/181.2	197/188.5	204.6/195.7	206.1/197.2
Max. AC Output Current (A)	200/191.4	204.6/195.7	204.6/195.7	204.6/195.7	206.1/197.2
Rated Output Voltage/Range (V)	220/380V, 230/400V 0.85Un-1.1Un				
Grid Connection Form	3L/N/PE				
Rated Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65				
Power Factor Adjustment Range	0.8 leading to 0.8 lagging				
Total Current Harmonic Distortion THDi	<3%				
DC Injection Current	<0.5%In				
<b>Efficiency</b>					
Max. Efficiency	98.8%				
Euro Efficiency	98.2%				
MPPT Efficiency	>99%				
<b>Equipment Protection</b>					
DC Reverse Polarity Protection	Yes				
AC Output Overcurrent Protection	Yes				
AC Output Overvoltage Protection	Yes				
AC Output Short Circuit Protection	Yes				
Thermal Protection	Yes				
Insulation Impedance Detection	Yes				
DC Component Monitoring	Yes				
Arc Fault Circuit Interrupter (AFCI)	Optional				
Anti-islanding Protection	Yes				
Residual Current Detection	Yes				
Surge Protection Level	Type II (DC), Type II (AC)				
DC Switch	Yes				
<b>Interface</b>					
Communication Interface	RS485/RS232				
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN (optional)				
<b>General Data</b>					
Operating Temperature Range (°C)	-25 to +60°C, >45°C Derating				
Permissible Ambient Humidity	0-100%				
Permissible Altitude (m)	4000m				
Noise (dB)	≤65				
Ingress Protection (IP) Rating	IP 65				
Inverter Topology	Non-Isolated				
Over Voltage Category	OVC II (DC), OVC III (AC)				
Cabinet Size (WxHxD mm)	1006x516x325.5 (Excluding Connectors and Brackets)				
Weight (kg)	103				
Type of Cooling	Intelligent Air Cooling				
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105				
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				

\*Due to continuous product innovation, dimensions and weight may differ from the datasheet.