



## Inversores On-grid Trifásico

Modelos: GT3-10KDL1 GT3-12KDL1 GT3-17KL-D  
GT3-20K/25KL-T GT3-30KL-Q

La serie de inversores GT3 de bajo voltaje son utilizados principalmente en techos comerciales e industriales en redes 220/230V. La corriente de entrada máxima de cada cadena fotovoltaica es de 20A, lo que los hace compatible con módulos de mas de 600W. Tiene un algoritmo preciso de MPPT, lo que lo convierte en la opción ideal para sistemas fotovoltaicos en techos con orientaciones complejas y diferentes obstáculos en sistemas comerciales. Un inductor externo asegura una disipación de calor eficiente, lo que aumenta significativamente la confiabilidad y extiende la vida útil del inversor. Además, las funciones de soporte, como el escaneo inteligente de curvas IV y el mantenimiento remoto, brindan beneficios a largo plazo.



- Corriente por cadena máxima de 20A
- Sobredimensionamiento de hasta 150%
- APP inteligente para monitoreo y optimización
- AFCI (opcional)
- Escaneo inteligente de curvas IV
- Limitación de inyección (opcional)



Escaneo de curvas IV



Limitación de exportación



Modulo interno integrado de AFCI (opcional)



Protección SPD II

## Productos compatibles



Wi-Fi Dongle



Smart Meter



Sistema de monitoreo

## Specifications

Model	GT3-10KDL1	GT3-12KDL1
Input(PV)		
Max. DC Input Power	15000Wp	18000Wp
Max. DC Input Voltage	1100V	
Min PV input Voltage	140V	
Start-up DC Input Voltage	160V	
Nominal DC Input Voltage	650V	
MPPT Operating Range	140V-600V	
Max. DC Input Current	40A/40A	
Max. Short Circuit Current	52A/52A	
No. of MPPTs	2	
No. of Strings per MPP Tackers	2/2	
Output (AC)		
Nominal Output Power	10000W	12000W
Max. Apparent Power	11000VA	13200VA
Rated AC Grid Output Current	26.2 A	31.5 A
Max. AC Output Current	28.9 A	34.6 A
Rated AC Grid Voltage	3/N/PE,127V/220V	
AC Grid Voltage Range	127V-300V	
Rated Grid Frequency	50Hz/60Hz	
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz	
Power Factor	> 0.99 Rated power (Adjustable 0.8 Leading - 0.8 Lagging)	
Output THDi (@Nominal Output)	<3%	
Efficiency		
Max. Efficiency	98.6%	98.6%
Euro Efficiency	98.2%	98.2%
MPPT Efficiency	>99%	
Protection		
Surge Arrester	Type II	
PV Current Detection	Support	
Over Current Protection	Support	
AC Short Circuit Protection	Support	
Over Voltage Protection	Support	
Anti-islanding Protection	Support	
Residual Current Monitoring Unit	Support	
Integrated AFCI (Arc-Fault Circuit Protection)	Support (Optional)	
General Data		
Dimensions (W*H*D)	530*444*190 mm	
Weight	24.5kg	
Protection Degree	IP65	
Cooling	Fan Cooling	
Operating Temperature Range	-30°C ~ 60°C (Derating at 45°C)	
Typical Noise Emission	<40dB	
Night Self Consumption	<1W	
Display	LED+APP	
Communication	RS485 (Meter), 4G/Wi-Fi+Bluetooth, DRM	
Certifications and Standards		
Grid Regulation	IEC61727, IEC62116,	
Safety/EMC	IEC62109-1/2,EN61000-6-1/2/3/4	
Standard Warranty	5 Years/10 Years (Optional)	

# Specifications

Model	GT3-17KL-D	GT3-20KL-T	GT3-25KL-T	GT3-30KL-Q
PV Input				
Max. PV Input Power	25500Wp	30000Wp	37500Wp	45000Wp
Start-up Input Voltage	150V	200V	200V	200V
MPPT Voltage Range	200V - 700V			
Nominal Input Voltage	750V			
Max.MPPT Input Current	38A/38A	38A/38A/38A	40A/40A/40A	38A/38A/38A/38A
Max.Short Circuit Current	48A/48A	48A/48A/48A	48A/48A/48A	48A/48A/48A/48A
No. of MPPTs	2	3	3	4
No. of Strings per MPPT	2/3	2/2/2	2/2/3	2/2/2/2
AC Output Data				
Max. Apparent Power	18700VA	22000VA	27500VA	33000VA
Nominal Output Power	17000W	20000W	25000W	30000W
Max.AC Output Current	48A	60A	80A	96A
Rated AC Grid Voltage	3/N/PE, 3/PE, 220/230V			
Grid Voltage Range	180-260Vac			
Nominal Output Frequency	50Hz/60Hz			
Grid Frequency Range	45Hz-55Hz/55-65Hz			
Output Power Factor	1 Default (Adjustable 0.8 Leading - 0.8 Lagging)			
THDi, Rated Power[%]	<3%			
Efficiency				
Max. Efficiency	98.40%	98.40%	98.40%	98.40%
Euro Efficiency	98.00%	98.10%	98.10%	98.10%
Protection				
PV Reverse Polarity Protection	Support			
PV Insulation Resistance Detection	Support			
AC Short Circuit Protection	Support			
AC Over Current Protection	Support			
AC Over Voltage Protection	Support			
Anti-Islanding Protection	Support			
Residual Current Detection	Support			
Over Temperature Protection	Support			
Surge Protection	Type II			
Smart IV Curve Scanning	Support			
Integrated AFCI (Arc-Fault circuit Interruption)	Optional			
General Data				
Dimension (W*H*D)	450*485*210 mm	710*470*236 mm		
Weight	26kg	44kg	44kg	51kg
Protection Degree	IP65			
Ambient Temperature Range	-25 °C ~ +60 °C			
Humidity Range	0-100%			
Communication Interface	RS485(Meter) , Wi-Fi, Wire Ethernet			
Cooling Concept	Fan Cooling			
Noise Emission	<51dB		<55dB	
Night Power Consumption	<1W			
Max. Operation Altitude	≤ 4000m			
Certifications and Standards				
EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12			
Safety Standard	IEC/EN 62109-1/2			
Grid-connection	IEC61727,IEC62116, EN50549			