



Grid Tied Inverter

Three Phase: GT3-30K/33K T1 GT3-36K/37.5K/40K/50K Q1

LIVOLTEK GT3 series inverters are widely used in residential, commercial and industrial roofs. The maximum input current of each PV string is 20A, also compatible with 600W+ modules in the global markets. Combined with 3/4-way MPPT and precise algorithm, it's the ideal option for rooftop photovoltaic systems with complex orientations and various components. The inverters with wide operating voltage range of MPPT and low start-up voltage ensure longer working time and more power generation, supporting functions such as shadow scanning, remote operation and maintenance, so as to maximize continuous long-term benefits for end-users.



Features

- 24/7 live monitoring
- String current up to 20A
- AFCI function (optional)
- Night SVG function
- Export limitation (optional)
- Built-in PID recovery function



24/7 Live Monitoring



Night SVG Function



Optional Internal Integrated AFCI Module



Built-in PID Recovery Function

Compatible Products



Wi-Fi Dongle



Smart Meter



Monitoring System

Specifications

Model	GT3-30KT1	GT3-33KT1	GT3-36KQ1	GT3-37K5Q1	GT3-40KQ1	GT3-50KQ1
PV Input						
Max. PV Input Power	45000Wp	49500Wp	54000Wp	56250Wp	60000Wp	75000Wp
Max. PV Input Voltage	1100V					
Start-up Input Voltage	180V					
Nominal Input Voltage	650V					
MPPT Voltage Range	160V-1000V					
Max. PV Input Current	40A/40A/40A		40A/40A/40A/40A			
Max.Short Circuit current	52A/52A/52A		52A/52A/52A/52A			
No. of MPPTs	3		4			
No. of Strings per MPP Tackers	2/2/2		2/2/2/2			
AC Output						
Nominal AC Power	30000W	33000W	36000W	37500W	40000W	50000W
Max. Apparent Power	33000VA	36300VA	39600VA	37500VA	44000VA	55000VA
Rated AC Grid Output Current	45.6A	50.1A	54.7A	57.0A	60.8A	76.0A
Max. AC Output Current	50.1A	55.2A	60.2A	57.0A	66.9A	83.6A
Rated AC Grid Voltage	3/N/PE,3/PE,220V/380V,230V/400V					
AC Grid Voltage Range ^[1]	270V-528V					
Rated Grid Frequency	50Hz/60Hz					
Grid Frequency Range ^[2]	45Hz-55Hz/55Hz-65Hz					
Power Factor	> 0.99 Rated Power (Adjustable 0.8 Leading - 0.8Lagging)					
THDi, Rated Power[%]	<3%					
Efficiency						
Max. Efficiency	98.60%	98.60%	98.60%	98.60%	98.60%	98.80%
Euro Efficiency	98.40%	98.40%	98.40%	98.40%	98.40%	98.40%
MPPT Efficiency	>99%					
Protection						
Surge Arrester	Type II					
AC Short Circuit Protection	Support					
Anti-islanding Protection	Support					
Shade Fix Function	Support					
Integrated PID recovery	Support					
AC Auxiliary Power Supply (APS)	Support					
Residual Current Monitoring Unit	Support					
Integrated AFCI (Arc-Fault Circuit Protection)	Optional					
General Data						
Dimension (W*H*D)	590*462*235mm					
Weight	44kg					
Protection Degree	IP65					
Cooling	Fan					
Operating Temperature Range	-30 °C ~ +60 °C (Derating at 45°C)					
Typical Noise Emission	<60dB					
Night Self Consumption	<3W					
Display	LED+APP					
Communication	RS485 (Meter/GEN/DRM/CAN/ALARM), Wi-Fi+Bluetooth					
Certifications and Standards						
Grid Regulation	IEC61727, IEC62116, EN50549					
Safety/EMC	IEC62109-1/-2; EN61000-6-1/2/3/4					
Standard Warranty	5 Years/10 Years (Optional)					

[1][2]The range of output voltage and frequency may vary depending upon different grid codes. Specifications are subject to change without advance notice.