



## Grid Tied Inverter

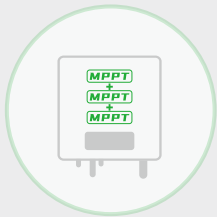
Single Phase: GT1-7K/8K/9K/10K T1

The LIVOLTEK GT1-7.0/8.0/9.0/10.0K-T1 PV inverters are developed for customers using high-power single-phase household models. This inverter is not only compatible with PV systems required for complex roofs, such as private homes or villas, but also powerful in small commercial and industrial scenarios. With an input current of 16A, it is suitable for high-efficiency large modules to enhance power generation in all aspects. The optional built-in SPD II module can effectively reduce external installation labor and wiring costs. Local bluetooth APP and remote dual monitoring provide users with the best inverter performance and maximum convenience and comfort.

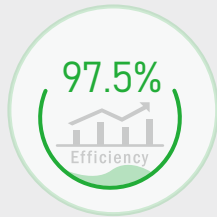


### Features

- 150% DC/AC ratio
- Export limitation (optional)
- Smart APP to monitor & optimize
- AFCI (optional)
- Plug-and-play installation saves time
- 110% AC output for efficient power generation



Built-in Triple MPPT



Max Efficiency of 97.5%



Optional Internal Integrated AFCI Module



Plug-and-play Installation Saves Time

### Compatible Products



Wi-Fi Dongle



Smart Meter



Monitoring System

## Specifications

Model	GT1-7KT1	GT1-8KT1	GT1-9KT1	GT1-10KT1
<b>PV Input</b>				
Max. PV Input Power	10500Wp	12000Wp	13500Wp	15000Wp
Max. PV Input Voltage	550V			
Min. PV Input Voltage	120V			
Start-up Input Voltage	90V			
Nominal Input Voltage	360V			
MPPT Voltage Range	70~545V			
Max. PV Current	16A+16A+20A			
Max. Short Circuit Current	25A+25A+30A			
No. of MPPTs/Strings per MPPT	3/1			
<b>AC Output</b>				
Nominal AC Power	7000W	8000W	9000W	10000W
Max. Apparent Power	7700VA	8800VA	9900VA	11000VA
Rated AC Grid Output Current	30.4A	34.8A	39.1A	43.5A
Max. AC Output Current	33.5A	38.3A	43A	47.8A
Rated AC Grid Voltage	220V/230V/240V, L+N+PE			
AC Grid Voltage Range	160~300V (Adjustable)			
Rated Grid Frequency	50Hz/60Hz			
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz (Adjustable)			
Power Factor	> 0.99 Rated Power (Adjustable 0.8 Leading - 0.8Lagging)			
THDi, Rated Power[%]	<3%			
<b>Efficiency</b>				
Max. Efficiency	98.20%			
Euro Efficiency	97.50%	97.50%	97.50%	97.50%
MPPT Efficiency	99.99%	99.99%	99.99%	99.99%
<b>Protection</b>				
Surge Arrester	Type III/Type II (Optional)			
AC Short Circuit Protection	Support			
Anti-islanding Protection	Support			
Ground Fault Monitoring	Support			
DC Reverse Polarity Monitoring	Support			
Residual Current Monitoring Unit	Support			
<b>General Data</b>				
Dimension (W*H*D)	410*345*186 mm			
Weight	16.8kg			
Protection Degree	IP65			
Cooling	Natural Cooling			
Operating Temperature Range	-30 °C~ +60 °C (Derating at 45°C)			
Typical Noise Emission	<25dB			
Night Self Consumption	<1W			
Display	APP+LED			
Communication	RS485(Metre), Wi-Fi+Buletooth, DRM			
Topology	Transformerless			
<b>Certifications and Standards</b>				
Grid Regulation	IEC61727, IEC62116, ABNT NBR 16149, ABNT NBR 16150			
Safety	IEC62109-1/2			
EMC	IEC1000-6-1, IEC61000-6-2, IEC61000-6-3, IEC61000-6-4			
Standard Warranty	5 Years/10 Years (Optional)			