



LivoPower On-grid PV Inverter

Superior Efficiency

- Max efficiency 98.4%
- String current up to 14A
- Built-in dual MPPT



High Reliability

- Natural cooling
- IP65 C5 anti-corrosion
- SPD II protection



Intelligent Smart

- Support export power control
- Smart APP to monitor and optimize
- Support cloud upgrade/maintenance



Product Overview

- Single phase & dual MPPT
- Application: **Residential use**

Features

- IP65 class protection
- High efficiency
- Remote maintenance
- Die-cast aluminum case
- Plug & play

Specifications

Model	GT1-3K6D1	GT1-4KD1	GT1-4K6D1	GT1-5KD1	GT1-6KD1
Input (PV)					
Max. DC Input Power	5400Wp	6000Wp	6900Wp	7500Wp	9000Wp
Max. DC Input Voltage	550V				
Min PV input voltage	70V				
Start-up DC Input Voltage	90V				
Nominal DC Input Voltage	360V				
MPPT Operating Range	70-545V				
Max. DC Input Current	14A+14A				
Max.Short Circuit current	20A+20A				
No. of MPPTs/Strings per MPPT	2/1				
Output (Grid)					
Nominal Output Power	3600W	4000W	4600W	5000W	6000W
Max. Apparent Power	3960VA	4400VA	4600VA	5500VA	6600VA
Rated AC Grid Output Current	15.7A	17.4A	20.0A	21.7A	26.1A
Max. AC Output Current	17.2A	19.1A	20.0A	23.9A	28.7A
Rated AC Grid Voltage	220V/230V/240V,L+N+PE				
AC Grid Voltage Range	160V-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 - 0.8 Lagging)				
Output THDi (@Nominal Output)	<3%				
Efficiency					
Max. Efficiency	98.2%	98.2%	98.4%	98.4%	98.4%
Euro Efficiency	97.3%	97.3%	97.5%	97.5%	97.5%
MPPT Efficiency	>99%				
Protection					
Surge Arrester	Type III / Type II SPD				
PV Current Detection	Support				
Over Current Protection	Support				
AC Short Circuit Protection	Support				
Over Voltage Protection	Support				
Anti-islanding Protection	Support				
Ground Fault Monitoring	Support				
Residual Current Monitoring Unit	Support				
DC Reverse Polarity Protection	Support				
General Data					
Dimensions (W*H*D)	350*315*176mm				
Weight	12.5KG				
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	LED+APP/LCD (Optional)				
Communication	RS485(LCD/Meter),WiFi+Bluetooth,DRM				
Topology	Transformerless				
Certifications and Standards					
Grid Regulation	IEC61727, IEC62116,EN50549, ABNT NBR 16149, ABNT NBR 16150				
Safety	IEC62109-1/-2				
EMC	IEC1000-6-1, IEC61000-6-3,IEC61000-3-2,IEC61000-3-3				
Standard Warranty	5 Years/10 Years (Optional)				