

LivoPower On-grid PV Inverter— Small Commercial

Superior Efficiency

- Ultra-wide voltage range
- 130% ~140% PV oversizing ratio
- 110% output overload



High Reliability

- Integrated DC/AC SPD (type II)
- LCD-free design improves reliability



Intelligent Maintenance

- Remote configuration and upgrade
- APP for local settings & display
- Dynamic limit of export to the utility grid
- String level I/V detection

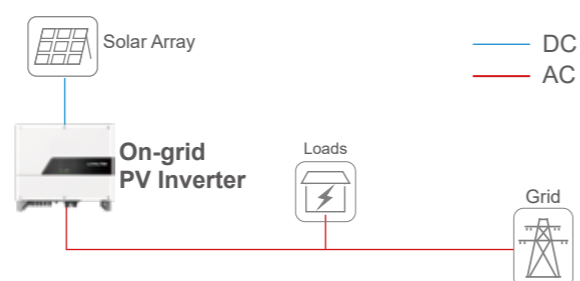


Product Overview

GT3-10/12K-D(LV)

- Application:
**small-sized industrial
and commercial use**

System Diagram



Specifications

Model	GT3-10K-D(LV)	GT3-12K-D(LV)
Efficiency		
Max. Efficiency	96.9%	
Input(PV)		
Max. Input Voltage	800V	
Rated Input Voltage	360V	
Max. Input Current	2*25A	
Max.Short Circuit Current	60A(2*30A)	
Start Input Voltage/ Min. Operating Voltage	250V/180V	
MPPT Operating Voltage Range	180V-750V	
MPPT Operating Voltage Range (Full-Load)	300V-680V	
Max. Number of PV Strings	4(2/2)	
No. of MPPTs	2	
Output(Grid)		
Rated AC Active Power	10,500W	12,000W
Max. AC Apparent Power	11,500VA	13,500VA
Max. AC Active Power (PF=1)	11,500W	13,500W
Max. AC Output Current	3*28.3A	3*33.5A
Rated AC Voltage	220V,3W+N+PE	
AC Voltage Range*	180V-300V(Adjustable)	
Rated Grid Frequency	60Hz	
Grid Frequency Range**	55Hz-65Hz(Adjustable)	
THDI	<3% (Rated Power)	
DC Current Injection	<0.5%In	
Power Factor	> 0.99 Rated power (Adjustable 0.8 LG - 0.8 LD)	
Protection		
DC Switch	Support	
Anti-islanding Protection	Support	
AC Overcurrent Protection	Support	
AC Short Circuit Protection	Support	
DC Reverse Connection	Support	
Surge Arrester	DC Type II /AC Type II	
Insulation Detection	Support	
Leakage Current Protection	Support	
General		
Topology	Transformerless	
IP Rating	IP65	
Night Self Consumption	<1W	
Cooling	Natural Cooling	
Operating Temperature Range	-25 C -60 C	
Relative Humidity Range	0-100%	
Max. Operating Altitude	4000m	
Noise	<35dB	
Dimensions (W*H*D)	555mm*446mm*270mm	
Weight	37Kg	
HMI & COM		
Display	Wireless & APP +LED	
Communication	RS485, WiFi	
Warranty		
5 Years/10 Years(Optional)		

- Remarks:**
- The range of output voltage and frequency may vary depending upon different grid codes.
 - Specifications are subject to change without advance notice.