



LivoPower On-grid PV Inverter



Superior Efficiency

- Maximum efficiency 98.3%
- Ultra-wide voltage range
- 130~150% 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

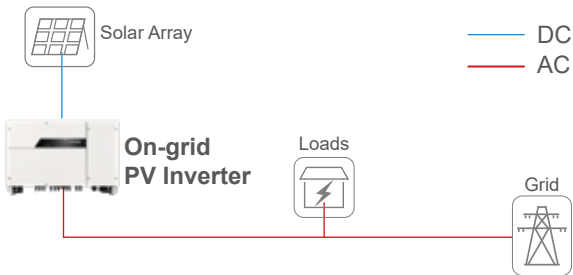


Product Overview

GT3-50/60K

- Application:
**Large-scale industrial
and commercial**

System Diagram—Utility



Specifications (Apply for Ver2022.FW03.02&above)

Model	GT3-50K		GT3-60K	
Input (PV)				
Max. Input Voltage	1100V			
Rated Input Voltage	620V			
Max. Input Current	130A (39A/39A/26A/26A)		156A (39A/39A/39A/39A)	
Max. Short Circuit Current	140A (42A/42A/28A/28A)		168A (42A/42A/42A/42A)	
Start Input Voltage/Min. Operating Voltage	250V/200V			
MPPT Operating Voltage Range	200V-960V			
MPPT Operating Voltage Range (Full-Load)	540V-850V			
Max. Number of PV Strings	10 (3/3/2/2)		12 (3/3/3/3)	
No. of MPPTs	4			
Output (Grid)				
Rated AC Active Power	50000W		60000W	
Max. AC Apparent Power	55000VA		66000VA	
Max. AC Active Power (PF=1)	55000W		66000W	
Max. AC Output Current	3*83A		3*92A	
Rated AC Voltage	380V / 400V, 3W+N+PE			
AC Voltage Range*	277V-520V			
Rated Grid Frequency	50Hz/60Hz			
Grid Frequency Range**	45Hz-55Hz/55Hz-65Hz			
THDI	<3% (Rated Power)			
DC Current Injection	<0.5%In			
Power Factor	>0.99 Rated Power (Adjustable 0.8 Leading - 0.8 Lagging)			
Efficiency				
Max. Efficiency	98.3%		98.3%	
European Efficiency	98.0%		98.0%	
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			
Ingress Protection	IP65			
Night Self Consumption	<1W			
Cooling	Fan Cooling			
Operating Temperature Range	-25℃~60℃			
Relative Humidity Range	0-100%			
Max. Operating Altitude	4000m (>2000m Derating)			
Noise	<62dB			
Dimensions (W*H*D)	855*555*275mm			
Weight	71KG		74KG	
HMI & COM				
Display	Wireless & APP+LED			
Communication	WiFi, Bluetooth, RS485			

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