

GT3 Series ON-GRID PV INVERTER



SUPERIOR EFFICIENCY

- Maximum efficiency 99%
- Ultra-wide voltage range
- 130% ~140% PV configuration , 110% output overload



HIGH RELIABILITY

- Integrated type II DC/AC SPD
- APP for local settings & display



INTELLIGENT MAINTENANCE

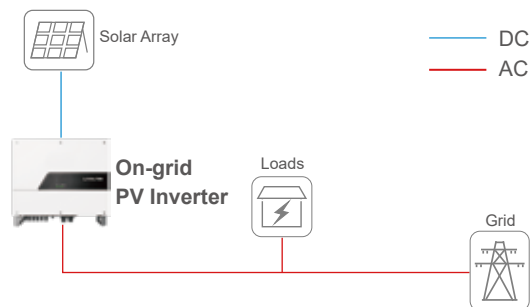
- Remote configuration and upgrade (WiFi/GPRS)
- Supports export control (Meter)
- String level I/V detection

Product Overview

GT3-17/20/22/25/28/30K-D

- Application:
Small-sized Industrial
and Commercial Use

System Diagram



Specifications

Model	GT3-17K-D	GT3-20K-D	GT3-22K-D	GT3-25K-D	GT3-28K-D	GT3-30K-D
Efficiency						
Max. Efficiency	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%
European Efficiency	97.7%	97.7%	97.7%	97.7%	97.7%	97.7%
Input(PV)						
Max. Input Voltage	1000V					
Rated Input Voltage	620V					
Max. Input Current	2*25A			2*37.5A		
Max.Short Circuit Current	60A(2*30A)			84A(2*42A)		
Start Input Voltage/ Min. Operating Voltage	250V/180V					
MPPT Operating Voltage Range	180V-960V					
MPPT Operating Voltage Range (Full-Load)	480V-800V					
Max. Number of PV Strings	4(2/2)			6(3/3)		
No.of MPPTs	2					
Output(Grid)						
Rated AC Active Power	17000W	20000W	22000W	25000W	28000W	30000W
Max. AC Apparent Power	18700VA	22000VA	24200VA	27500VA	30800VA	33000VA
Max. AC Active Power (PF=1)	18700W	22000W	24200W	27500W	30800W	33000W
Max. AC Output Current	3*28.3A	3*33.5A	3*35A	3*40A	3*45A	3*48A
Rated AC Voltage	380V/400V, 3W+N+PE					
AC Voltage Range*	277V-520V(Adjustable)					
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 - 0.8Lagging)					
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	Natural cooling			Fan cooling		
Operating Temperature Range	-25 C -60 C					
Relative Humidity Range	0-100%					
Max. Operating Altitude	4000m(>2000m derating)					
Noise	<30dB			<50dB		
Dimensions (W*H*D)	555*446*270mm					
Weight	37KG			40KG		
HMI & COM						
Display	Wireless & APP+LED, LCD(Optional)					
Communication	WiFi(Optional), RS485, GPRS(Optional)					

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