

## 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

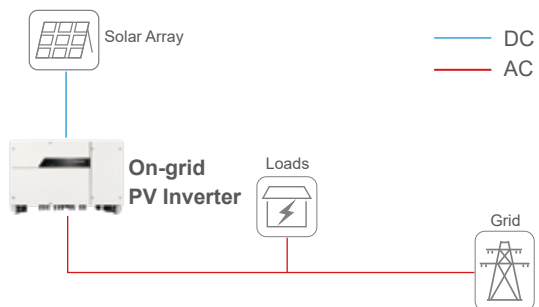
- Remote configuration and upgrade (WiFi/GPRS)
- Supports export control (Meter)
- String level I/V detection

## Product Overview

### GT3-50/60K

- Application:  
**Large-scale Industrial and Commercial site**

## System Diagram



## Specifications

Model	GT3-50K	GT3-60K
<b>Efficiency</b>		
Max. Efficiency	98.3%	98.3%
European Efficiency	98.0%	98.0%
<b>Input(PV)</b>		
Max. Input Voltage	1100V	
Rated Input Voltage	620V	
Max. Input Current	110A (33A/33A/22A/22A)	132A (33A/33A/33A/33A)
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	
<b>Output(Grid)</b>		
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 - 0.8Lagging)	
<b>Protection</b>		
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	
<b>General</b>		
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
<b>HMI &amp; COM</b>		
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.