GT3 SERIES ON-GRID PV INVERTER

Superior Efficiency
· 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)
· Supports export control (Meter)
· String level I/V detection
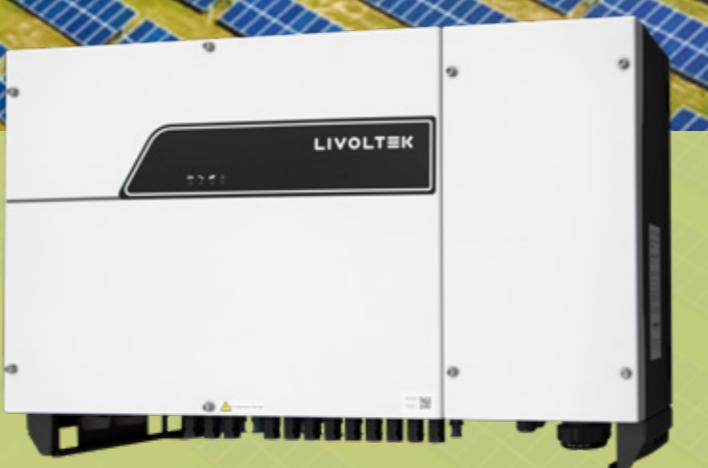
Product Overview

GT3 30/36K-LV

▪ Application:
  Large-scale Industrial and Commercial site

System Diagram

Solar Array

On-grid PV Inverter

Loads

Grid

— DC
— AC
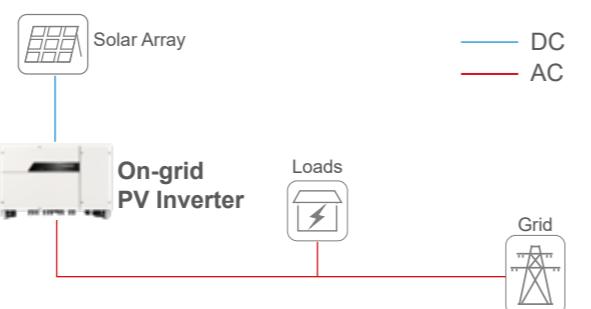
Specifications

Model	GT3 30K-LV	GT3 36K-LV
Efficiency		
Max. Efficiency	97.4%	
Input(PV)		
Max. Input Voltage	800V	
Rated Input Voltage	360V	
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-750V	
MPPT Operating Voltage Range (Full-Load)	300V-680V	
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	29000W	34500W
Max. AC Apparent Power	33000VA	40000VA
Max. AC Active Power (PF=1)	33000W	40000W
Max. AC Output Current	3*83A	3*92A
Rated AC Voltage	220V,3W+N+PE	
AC Voltage Range*	150V-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 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	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	Bluetooth,RS485,WiFi(Optional)	

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

LIVOLTEK