



## LivoPower On-grid PV Inverter Three Phase Inverter for 1100Vdc System

### High Performance

- 150% DC/AC ratio
- Up to 12 MPPTs with max. efficiency up to 99%
- Large MPPT input current allows more PV panel to be connected

### High Reliability

- String fault detection
- Compliant with global safety
- Comprehensive protection functions
- IP66 protection standard suitable for harsh installation environment

### Smart O&M

- Free automatic inverter monitoring
- Easy & Quick Setup via Bluetooth
- Remote upgrading & debugging, easy operation and maintenance



### Features

- 1100Vdc ,400/500Vac
- 12/10 MPPT Tracker,
- 24/20 PV Strings Input
- Smart I-V Curve Function
- AFCI Function Optional
- Night SVG Function Optional
- Max.DC/AC Ratio Up to 1.5
- DC and AC Type II SPD

### Specifications

Model	GT3-120K	GT3-150K-M
<b>Input(DC)</b>		
Max. DC Voltage	1100V	
Nominal Voltage	620V	780V
Min./Startup Voltage	250V	
MPPT Voltage Range	200V-1000V	
No. of MPPT	10	12
No. of Strings Per MPPT	2	
Max. Input Current Per MPPT	30A	
Max. Short-circuit Current Per MPPT	50A	
<b>Output(AC)</b>		
Nominal AC Output Power	120kW@30°C/110kW@40°C/100kW@50°C	150kW@30°C/136kW@40°C/120kW@50°C
Max. AC Apparent Power	120kVA	150kVA
Nominal AC Voltage	320-480Vac/3W+PE/3W+N+PE	400-621V/3W+PE
AC Grid Frequency Range	45-55Hz / 55-65Hz	
Rated Output Current	158.8A	157A
Max. Output Current	174.6A	174.5A
Power Factor (cosΦ)	0.8leading--0.8lagging	
THDi	< 3%	
<b>Efficiency</b>		
Max. Efficiency	98.70%	99.00%
Euro. Efficiency	98.30%	98.50%
<b>Protection</b>		
DC Switch	Yes	
Anti-islanding Protection	Yes	
Output Over Current	Yes	
DC Reverse Polarity Protection	Yes	
String Fault Detection	Yes	
AC/DC Surge Protection	Yes	
Insulation Detection	Yes	
AC Leakage Current Fault Protection	Yes	
I/V Curve Scanning	Yes	
AFCI Protection	Optional	
Anti-PID Function	Optional	
<b>General Specifications</b>		
Dimensions (W * H * D)mm	1055*700*336	
Weight(kg)	93	96
Operating Temperature Range	-25°C ~ +60°C	
Cooling Type	Fan cooling	
Max. Operation Altitude	4000m (>3000m derating)	
Max. Operation Humidity	0~100%	
Night Power Consumption	<10W	
IP Class	IP66	
Topology	Transformerless	
Communication	RS485 /Bluetooth/WiFi	RS485/Bluetooth/WiFi/PLC
Display	LED Indicators, WLAN+APP+Bluetooth	

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



## LivoPower On-grid PV Inverter Three Phase Inverter for 1500Vdc System

### High Performance



- >150% DC/AC ratio
- Up to 12 MPPTs with max. efficiency up to 99.01%
- Large MPPT input current allows more PV panel to be connected

### High Reliability



- String fault detection
- Compliant with global safety
- Comprehensive protection functions
- IP66 protection standard suitable for harsh installation environment

### Smart O&M



- Easy & Quick Setup via Bluetooth
- Free automatic inverter monitoring
- Remote upgrading & debugging, easy operation and maintenance



### Features

- 1500Vdc ,800Vac
- 12MPPT ,24DC Inputs
- Smart I-V Curve Function
- DC and AC Type II SPD
- PLC Communication
- Max.DC/AC ratio up > 1.5
- Anti- PID Recovery Function Optional
- AFCI Function Optional
- Night SVG Function Optional

### Specifications

Model	GT3-200K-H	GT3-250K-H
<b>Input(DC)</b>		
Max. DC Voltage	1500V	
Nominal Voltage	1080V	
Min./Startup Voltage	600V	
MPPT Voltage Range	500V-1500V	
No. of MPPT	12	
No. of Strings Per MPPT	2	
Max. Input Current Per MPPT	30A	
Max. Short-circuit Current Per MPPT	50A	
<b>Output(AC)</b>		
Nominal AC Output Power	200kW@40 °C / 175kW@50 °C	250KW 30 °C/225KW 40 °C/200KW 50 °C
Max. AC Apparent Power	200kVA	250kVA
Nominal AC Voltage	800V,640 ~ 920Vac / 3W+PE	
AC Grid Frequency Range	50/60Hz±5Hz (adjustable)	50/60Hz±5Hz (adjustable)
Rated Output Current	126.3A	162.4A
Max. Output Current	144.3A	180.4A
Power Factor (cosΦ)	0.8leading--0.8lagging	
THDi	< 3%	
<b>Efficiency</b>		
Max. Efficiency	>99.01%	
Euro. Efficiency	>98.52%	
<b>Protection</b>		
DC Switch	Yes	
Anti-islanding Protection	Yes	
Output Over Current	Yes	
DC Reverse Polarity Protection	Yes	
String Fault Detection	Yes	
AC/DC Surge Protection	Yes	
Insulation Detection	Yes	
AC Leakage Current Fault Protection	Yes	
I/V Curve Scanning	Yes	
AFCI Protection	Optional	
Anti- PID Recovery	Optional	
<b>General Specifications</b>		
Dimensions (W * H * D)mm	1055*700*336	
Weight(kg)	110	
Operating Temperature Range	-25 °C ~ +60 °C (>50° derating)	
Cooling Type	Fan cooling	
Max. Operation Altitude	4000m (>3000m derating)	
Max. Operation Humidity	0~100%	
Night Power Consumption	< 10W	
IP Class	IP66	
Topology	Transformerless	
Communication	RS485/Bluetooth/WiFi/PLC	
Display	LED Indicators, WLAN+APP+Bluetooth	

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