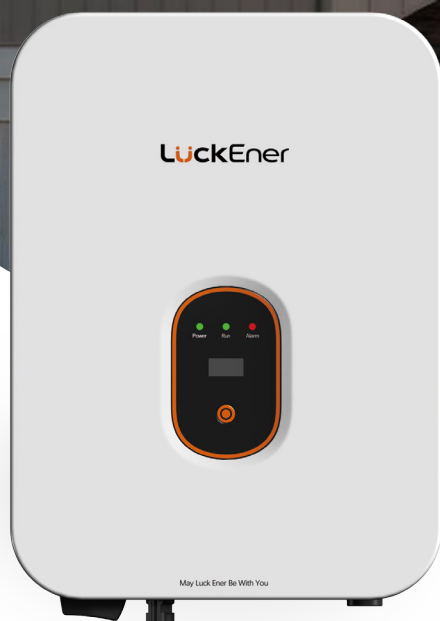


On-grid Inverter 4-10.5kW

Gi004K-010.5K

Single-phase On-grid Inverter



* Product appearance may vary



High-efficiency



Flexible Design



Safe & Stable

- 150% DC/AC ratio for maximum solar power utilization
- **3 MPPTs** for excellent flexibility in complex rooftops or multi-orientation systems
- Up to 20 A input current, compatible with the latest high-power PV modules.
- 110% continuous overload output to achieve higher power generation capability
- Wide input voltage range (**down to 40 V**) for extended daily operating hours

- Enhanced weak-grid adaptability with fast control response and stable power delivery
- **Export power control** for precise grid-feed to meet local regulations
- Optional AFCI function for enhanced fire protection and long-term system reliability
- Integrated **Type II SPD** on both DC and AC sides for safe protection
- **IP66** enclosure, maintaining stable operation under extreme weather conditions

Models	Gi004K -A1.22-P1NV-L	Gi005K -A1.22-P1NV-L	Gi006K -A1.22-P1NV-L	Gi007K -A1.22-P1NV-L	Gi7.3K -A1.22-P1NV-L	Gi7.5K -A1.22-P1NV-L	Gi008K -A1.22-P1NV-L	Gi007K -A1.33-P1NV-L	Gi7.5K -A1.33-P1NV-L	Gi008K -A1.33-P1NV-L	Gi009K -A1.33-P1NV-L	Gi010K -A1.33-P1NV-L	Gi010.5K -A1.33-P1NV-L
PV input data													
Recommend max. PV capacity (Wp)	6000	7500	9000	10500	12000	11250	12000	10500	11250	12000	13500	15000	15000
Max. PV input voltage (V)							550						
Rated voltage (V)							360						
Start voltage (V)							50						
MPPT voltage range (V)							40-550						
Max. PV input current (A)					20/20						20/20/20		
Max. short-circuit current per MPPT (A)					30/30						30/30/30		
MPPT number					2						3		
No. of PV strings per MPPT					1						1		
AC output Data													
Rated output power (W)	4000	5000	6000	7000	7300	7500	8000	7000	7500	8000	9000	10000	10500
Max output power (VA)	4400	5500	6600	7700	8800	7500	8800	7700	8250	8800	9900	11000	10500
Max output current (A)	20.0	25.0	30.0	35.0	40.0	34.1	40.0	35.0	37.5	40.0	45.0	50.0	47.7
Operation phase							L+N+PE						
Rated output voltage (V)							220/230						
Rated frequency (Hz)							50/60						
THDi							<3%						
Power factor							1(0.8leading~0.8lagging)						
Efficiency													
Max. efficiency							97.50%						
EU efficiency							97.00%						
Protection													
DC switch							Yes						
DC reverse-polarity connection protection							Yes						
Thermal protection							Yes						
AC overvoltage/current protection							Yes						
AC short circuit protection							Yes						
Ground fault circuit interrupter							Yes						
Power network monitoring							Yes						
Island protection							Yes						
Insulation resistance monitoring							Yes						
Residual current detection							Yes						
Arc fault circuit interrupter							Optional						
Surge protection							AC Typell/DC Typell						
General													
Dimensions (W*H*D mm)							354*454*113.5						
Weight (kg)							8.5						
Noise (dB)							<45						
Operating temperature (°C)							-25~60(>45°C derating)						
Type of cooling							Smart air cooling						
Topology							Transformless						
Communication							RS485						
Permissible altitude (m)							3000(>2000m derating)						
Permissible ambient humidity							0~100%						
Ingress protection (IP) grade							IP66						
Warranty							5/10 years; (More info refers to the warranty policy)						
Display							LCD+LED						
Grid regulation							IEC61727,IEC62116(Additional certifications in progress. See website for updates.)						
Safety EMC/Standard							IEC EN 61000-6-3; IEC62920; IEC62109-1/2						