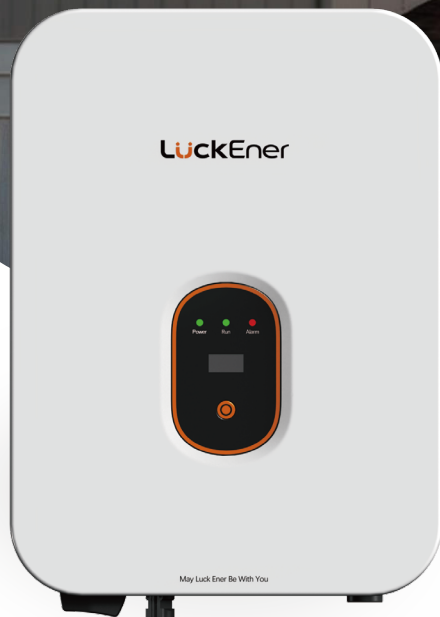


On-grid Inverter 4-10kW

Gi004K-010K

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	Gi7.5K -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	
PV input data												
Recommend max. PV input power (W)	6000	7500	9000	10500	11250	12000	10500	11250	12000	13500	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	7500	8000	7000	7500	8000	9000	10000	
Max output power (VA)	4400	5500	6600	7700	7500	8800	7700	8250	8800	9900	11000	
Max output current (A)	20.0	25.0	30.0	35.0	34.1	40.0	35.0	37.5	40.0	45.0	50.0	
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						