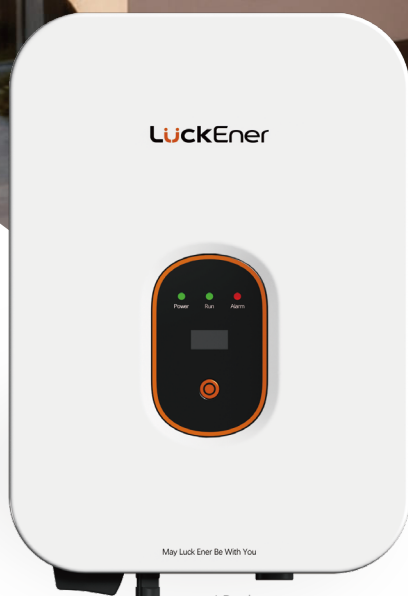


On-grid Inverter

1-6kW

Gi001K-006K

Single-phase On-grid Inverter



* Product appearance may vary



High-efficiency



Safe & Stable



Compact Design

- Compact and lightweight (<6 kg), simplifying installation
- 150% DC/AC ratio for maximum solar power utilization
- 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

- **Export power control** for precise grid-feed to meet local regulations
- Optional **AFCI** function, reducing fire risks and improving long-term system reliability.
- Integrated **Type II SPD** on both DC and AC sides for comprehensive surge protection
- **IP66** protection rating, ensuring long-term reliability even in harsh outdoor environments

Models	Gi001K -B1.11-P1NV-L	Gi002K -B1.11-P1NV-L	Gi003K -B1.11-P1NV-L	Gi004K -B1.11-P1NV-L	Gi005K -B1.11-P1NV-L	Gi006K -B1.11-P1NV-L
PV input data						
Recommend max. PV capacity (Wp)	1500	3000	4500	6000	7500	9000
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			
Max. short-circuit current per MPPT (A)			30			
MPPT number			1			
No. of PV strings per MPPT			1			
AC output Data						
Rated output power (W)	1000	2000	3000	4000	5000	6000
Max. output power (VA)	1100	2200	3300	4400	5500	6600
Max. output current (A)	5.0	10.0	15.0	20.0	25.0	30.0
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)				279*381*113		
Weight (kg)				6		
Noise (dB)				<45		
Operating temperature (°C)				-25~60(>45°Cderating)		
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		