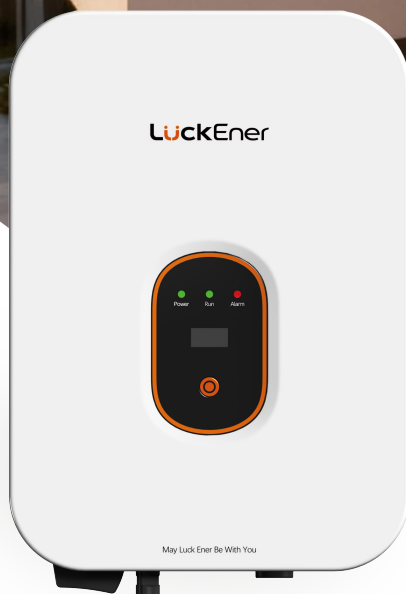


# On-grid Inverter 1-6kW

# Gi001K-006K

Single-phase On-grid Inverter



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 **AFCl** 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	Gi002KB1.11-P1NV-L	Gi003K-B1.11-P1NV-L	Gi004K-B1.11-P1NV-L	Gi005K-B1.11-P1NV-L	Gi006K-B1.11-P1NV-L
<b>PV input data</b>						
Recommend max. PV input power (W)	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					
<b>AC output Data</b>						
Rated output power (W)	1000	2000	3000	4000	5000	6000
Max output power (VA)	1100	2200	3300	4400	5500	6600
Max output current (A)	5/4.8	10/9.6	15/14.4	20/19.2	25/24	30/28.7
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)					
<b>Efficiency</b>						
Max. efficiency	97.50%					
EU efficiency	97.00%					
<b>Protection</b>						
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					
<b>General</b>						
Dimensions (W*H*D mm)	380*280*110					
Weight (kg)	6					
Noise (dB)	<45					
Operating temperature (°C)	-25~60(>45°Cderating)					
Type of cooling	Smart air cooling					
Topology	Transformless					
Communication	RS485/CAN					
Permissible altitude (m)	4000(>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					