

On-grid Inverter 3-15kW

Gi003K-015K

Three-phase On-grid Inverter



High-efficiency



Wide Compatibility



Safe & Stable

- **150% DC/AC** ratio for maximum solar power utilization
- Up to **2 MPPTs** design with **98.5%** efficiency, ensuring maximum energy utilization
- **140V** startup voltage and **120-1000V MPPT range**, enabling longer daily power generation time
- 110% continuous overload output to achieve higher power generation capability
- Advanced grid adaptability ensures reliable operation under weak-grid conditions

- **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 dependable operation in harsh environmental conditions

Models	Gi003K -A1.11-P3NV-L	Gi004K -A1.11-P3NV-L	Gi005K -A1.11-P3NV-L	Gi006K -A1.11-P3NV-L	Gi007K -A1.11-P3NV-L	Gi008K -A1.22-P3NV-L	Gi009K -A1.22-P3NV-L	Gi010K -A1.22-P3NV-L	Gi012K -A1.22-P3NV-L	Gi015K -A1.22-P3NV-L
PV input data										
Recommend max. PV input power (W)	4500	6000	7500	9000	10500	12000	13500	15000	18000	22500
Max. PV input voltage (V)						1100				
Rated voltage (V)						600				
Start voltage (V)						140				
MPPT voltage range (V)						120~1000				
Max. PV input current (A)				20					20/20	
Max. short-circuit current per MPPT (A)				30					30/30	
MPPT number				1					2	
NO. of PV strings per MPPT				1					1	
AC output Data										
Rated output power (W)	3000	4000	5000	6000	7000	8000	9000	10000	12000	15000
Max output power (VA)	3300	4400	5500	6600	7700	8800	9900	11000	13200	16500
Max output current (A)	5/4.8	6.7/6.4	8.3/8	10/9.6	11.7/11.2	13.3/12.8	15/14.4	16.7/16	20/19.2	25/24
Operation phase						3L+N+PE				
Rated output voltage (V)						220/380; 230/400				
Rated frequency (Hz)						50/60				
THDi						<3%				
Power factor						1(0.8leading~0.8lagging)				
Efficiency										
Max. efficiency						98.50%				
EU efficiency						98.20%				
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				
Ground fault monitoring						Yes				
Insulation resistance monitoring						Yes				
Residual current detection						Yes				
Arc fault circuit interrupter						Optional				
Surge protection						AC Typell/DC Typell				
General										
Demensions (W*H*D mm)						459*464*155				
Weight (kg)						11				
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				