

On-grid Inverter 3-17kW

Gi003K-017K

Three-phase On-grid Inverter



* Product appearance may vary



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	Gi017K -A1.22-P3NV-L
PV input data											
Recommend max. PV input power (W)	4500	6000	7500	9000	10500	12000	13500	15000	18000	22500	25500
Max. PV input voltage (V)						1100					
Rated voltage (V)						600					
Start voltage (V)						160					
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	17000
Max output power (VA)	3300	4400	5500	6600	7700	8800	9900	11000	13200	16500	18700
Max output current (A)	5.0	6.7	8.3	10	11.7	13.3	15.0	16.7	20.0	25.0	28.3
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											
Dimensions (W*H*D mm)						459*459*153.5					
Weight (kg)						14					
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					