

On-grid Inverter 20-26kW

Gi020K-026K

Three-phase On-grid Inverter



* Product appearance may vary



High-efficiency



Safe & Stable



Compact Design

- 150% DC/AC ratio for maximum solar power utilization
- 2 MPPTs with 4 PV input 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	Gi020K -A1.24-P3NV-L	Gi023K -A1.24-P3NV-L	Gi025K -A1.24-P3NV-L	Gi026K -A1.24-P3NV-L
PV input data				
Recommend max. PV capacity (W)	30,000	34,500	37,500	39,000
Max. PV input power (W)			1100	
Rated voltage (V)			600	
Start voltage (V)			140	
MPPT voltage range (V)			120~1000	
Max. PV input current (A)			40/40	
Max. short-circuit current per MPPT (A)			50/50	
MPPT number			2	
NO. of PV strings per MPPT			2+2	
AC output data				
Rated output power (W)	20,000	23,000	25,000	26,000
Max output power (VA)	22,000	25,300	27,500	28,600
Rated output current (A)	30.3	34.8	37.9	39.4
Max output current (A)	33.3	38.3	41.7	43.3
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)			485*510*155	
Weight (kg)			20	
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 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	