Hisense | 科林电气 KE ELECTRIC

100-125 kW

THREE-PHASE ON-GRID INVERTERS



Three-phase on-grid PV inverters convert DC power from solar panels into grid-compliant AC power, ideal for all types of small-to-medium distributed PV power plants.

HIGH-EFFICIENCY OPERATION

- Peak Efficiency of 99%;
- 1.1x Continuous Overload Capacity;
- Wide Temperature Range: -25°C to 60°C.

STABILITY & SAFETY

- Comprehensive Safety Protection;
- Industrial-Grade IP66 Protection;
- Reliable Year-Round Grid Operation.

HIGH-PERFORMANCE MANAGEMENT

- Precision String-Level Current Monitoring;
- Built-in SiC (Silicon Carbide) Technology;
- Integrated PID Recovery Function.

INTELLIGENT OPERATION & MAINTENANCE

- Lightweight Design for Easy Transport & Installation;
- Supports Local and Remote Maintenance;
- Supports Automatic Fault Diagnosis & Location.

Product Parameters

TECHNICAL DATASHEET		KE-GT100KTL	KE-GT110KTL	KE-GT125KTL
Input (PV)	Max. PV Array Power	150 kWp STC	165 kWp STC	187.5 kWp STC
	Max. Input Voltage	1100 V		
	MPPT Voltage Range / Rated Input Voltage	200V - 1000 V / 620 V		
	Min. Input Voltage	200 V		
	Initial. Feed-In Voltage	250 V		
	Max. Operating Input Current	64 A		
	Max. Short Circuit Current	100 A		
	Number of MPPTs / Strings per MPPT Input	20 (5 MPPTs, 4/4/4/4/4)		
Output (grid)	Rated Active Power	100 kW	110 kW	125 kW
	Rated Appearant Power	100 kVA	110 kVA	125 kVA
	Max. Output Power	110kVA@35°C 100kVA@45°C	121kVA@35°C 110kVA@45°C	137.5kVA@35°C 125kVA@45°C
	AC Nominal Voltage	3L/PE or 3L/N/PE, 230V/400V		
	AC Voltage Range	320V~480V (Compliant with local grid standards)		
	AC Grid Frequency	50/60Hz		
	AC Nominal Output Current	144.9 A	159.4 A	181.1 A
	Max. Output Current	159.4A	175.4 A	199.3 A
	Adjustable Power Factor Range	0.8 leading to 0.8 lagging		
	Harmonic Distortion (THD) at Rated Output	< 3%		
Efficiency & Protection	Max. Efficiency / European Efficiency	99% / 98.5%		
	Leakage Current Protection	Yes		
	Anti-Island Protection	Yes		
	DC Reverse Protection	Yes		
	AC Short Circuit Protection	Yes		
	PV String Current Detection	Yes		
	PID Recovery	Optional		
	DC Switch	Yes		
	Arc-Fault Circuit-Interrupter (AFCI)	Yes		
	Surge Protection	DC II(Type I+II optional)/AC II		
	Insulation Monitoring	Yes		
	Over-Voltage Protection	AC III/DC II		
General Data	Dimensions (W×H×D)	1008 × 700 × 362 mm		
	Weight	75 kg		
	Operating Temperature Range	-25°C to 60°C		
	Night-Time Self-Consumption	< 3.5 W		
	Topology	Transformerless		
	Cooling Concept	Smart fan cooling		
	Degree of Protection (According to IEC 60529)	IP66		
	Max. Relative Humidity (Non-Condensing)	100%		
	Max. Operating Altitude	4000 m		
Features	DC Connector	DC Plug-in connector		
	AC Connector	OT/DT Terminal (Max. 240 mm^2)		
	Display & Operation UI	LED/Bluetooth		
	Communication Interface	4G/RS485		
Certification		IEC 62109, IEC 62920, IEC61000-6, CEI 0-21 / CEI 0-16		

SHIJIAZHUANG KELIN ELECTRIC CO.,LTD.

TEL: +86 400-0311-128

EMAIL: info@kechina.com

ADD: Nanjiangbi,Hongqi Street,Luquan District,Shijiazhuang City,Hebei Province,P.R.China