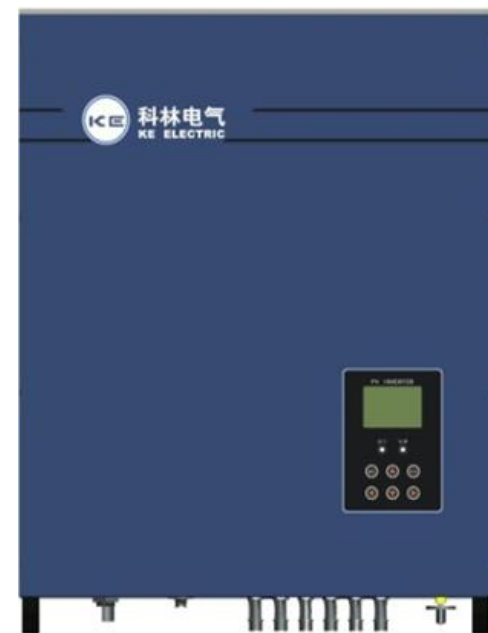


## Strings Type Three Phase Photovoltaic (pv) Grid-tied Inverter

(8kW,10kW,12kW,15kW,20kW,30kW)

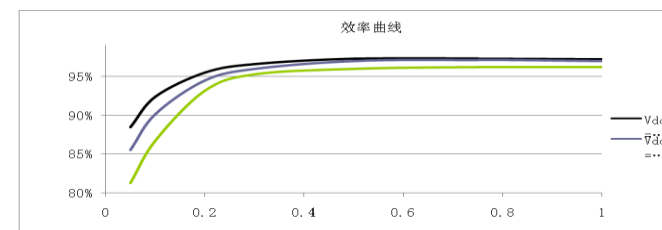
### Performance Characteristics:

- ◆ Conversion efficiency reaches 98.18%(European efficiency is 97.2%).
- ◆ Efficient and high precision MPPT, tracking efficiency reaches more than 99.5%.
- ◆ Use film-capacitance, increasing the system reliability, extending system life.
- ◆ Wide range input voltage, long generation time, high efficiency
- ◆ Active and reactive continuing Adjust, grid friendly PV inverter.
- ◆ No nighttime power self-consuming
- ◆ Anti-islanding protection
- ◆ DC short-circuit switch, to be safe and reliable.
- ◆ Easy to install and reliable
- ◆ Wide range of operation temperature-25°C ~ +60°C
- ◆ Protection grade IP65
- ◆ Standard communication mode: RS485, and Optional Ethernet/ Bluetooth.



**Certification: CNCA/CTS 0004-2009A**  
**CNCA/CTS 0006-2010**

### Efficiency Curve:



Technical Parameter		KE-GT8KTL	KE-GT10KTL	KE-GT12KTL	KE-GT15KTL	KE-GT20KTL
DC input	Max.DC voltage	1000V	1000V	1000V	1000V	1000V
	MPP voltage ranges	270V-800V	250V-800V	330V-800V	380V-800V	480V-800V
	Min. voltage	250V	250V	250V	250V	250V
	Max.DC capacity	8.3KW	10.4KW	12.5KW	15.6KW	21KW
	Max.input current	30A	40A	40A	40A	44A
	MPP trackers no. / connected strings no.	2/3	2/3	2/3	2/3	2/3
AC output	Rated capacity	8KW	10KW	12KW	15KW	20KW
	Max. current	13A	16A	19A	24A	30A
	Rated grid voltage	3/N/PE,402V	3/N/PE,400V	3/N/PE,400V	3/N/PE,400V	3/N/PE,400V
	Tolerance	400V ±20%	400V ±20%	400V ±20%	400V ±20%	400V ±20%
	Rated frequency	50HZ	50HZ	50HZ	50HZ	50HZ
	Tolerance	47-51.5HZ	47-51.5HZ	47-51.5HZ	47-51.5HZ	47-51.5HZ
	Current THD	<3%	<3%	<3%	<3%	<3%
	DC component	<0.5%	<0.5%	<0.5%	<0.5%	<0.5%
	Power factor	0.9~0.9	0.9~0.9	0.9~0.9	0.9~0.9	0.9~0.9
Isolation transformer	none	none	none	none	none	
System Data	Max. efficiency	98.0%	98.0%	98.0%	98.0%	98.1%
	Euro efficiency	97.0%	97.2%	97.2%	97.2%	97.3%
	Protection degree	IP65	IP65	IP65	IP65	IP65
	Operating temperature	-25℃~+60℃	-25℃~+60℃	-25℃~+60℃	-25℃~+60℃	-25℃~+60℃
	Cooling	Natural Convection	Natural Convection	Natural Convection	Natural Convection	Natural Convection
Size	W*H*D	560*670*233	560*670*233	560*670*233	560*670*233	560*670*233
	Weight	50kg	50kg	50kg	50kg	50kg