

► **High efficiency**

Max power efficiency 98.5%, smart MPPT Calculation, tracking efficiency reaching 99.99%;

► **Powerful scalability**

Support multi-inverter parallel connection, with powerful scalability;

► **Wide voltage input range**

MPPT voltage range from 100V~500V;

► **Safe and reliable**

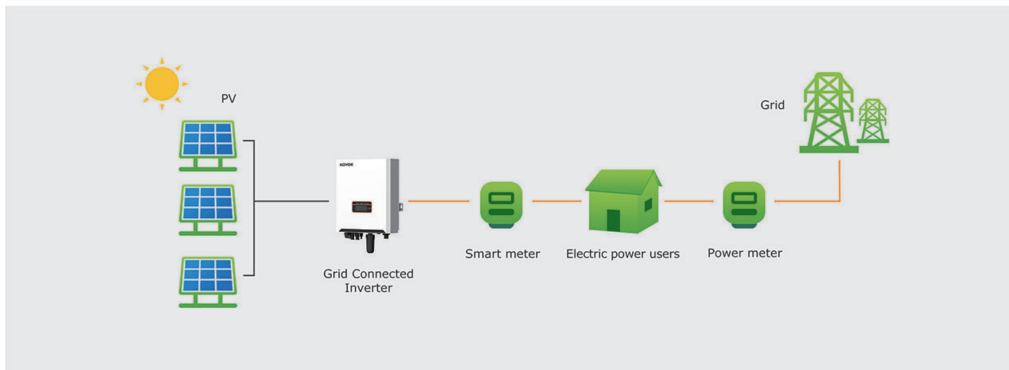
IP65 protection, various protection function, natural cooling, longer lifetime;

► **Smart and easy to operate**

Compact body, easy installation, supporting PC & cell phone remote monitoring;

► **Perfect cooling performance**

Supporting full load working under working temperature of 45°C via new cooling solution.



Model	Y-1GT-3K6	Y-1GT-4K0	Y-1GT-4K6	Y-1GT-5K0	Y-1GT-6K0	
Efficiency	MPPT.Efficiency	99.90%	99.90%	99.90%	99.90%	
	Max Efficiency	96%	96%	96.50%	97.00%	
	European Efficiency	95.50%	96%	96.00%	96.50%	
PV Input	Max Input Voltage	550V	550V	550V	550V	
	MPPT Voltage Range	120V-500V	120V-500V	120V-500V	120V-500V	
	Max Input Power	4400W	5000W	5500W	6000W	
	Start Voltage(V)	120V	120V	120V	120V	
	Minimum grid voltage(V)	150V	150V	150V	150V	
	Standard Voltage	360V	360V	360V	360V	
	Number of MPPT/PV Strings	2/2	2/2	2/2	2/2	
	Max Input Current for each MPPT	12.5A	12.5A	12.5A	12.5A	
	Short Current for each MPPT	15A	15A	15A	15A	
	AC Output	Max AC Power	3600VA	4000VA	4600VA	5000VA
Standard AC Power		3600W	4000W	4600W	5000W	
Standard Grid Voltage/Grid Voltage Range		230V, 1Φ (L/N/PE) /160V-280V				
Standard Frequency		50Hz/60Hz				
Maximum Current		16A	19.1A	21.7A	24A	27.3A
Power factor		~1 (0.8lead~0.8lag adjustable)				
THD		<3%				
AC Connection type		Quick fit				
Operating Temperature Range		-25°C ... +60°C(>45°C derating)				
Relative Humidity		0-95%, no condensation				
Operating Altitude(m)	<4000m,over 2000m derating					
Cooling Method	Forced-air					
Noise	<40dB					
Display	LCD					
General Data	Communication	RS485 (WIFI/GPRS Optional)				
	Weight	9kg	9kg	9.5kg	10kg	10kg
	Dimensions	325mm*375mm*129.5mm				
	Mounting Method	Wall-mounting bracket				
	Protection	IP65				
	Topology	Transformerless				
	Safety	IEC62109-1/-2				
	EMC	EN61000-1/-2/-3, IEC61000				
	EMC	AS4777.2, NRS097-2-1; 2017				