

Grid-connected PV inverter

FEATURES

- ▶ Integrated DC switch, integrated surge protection, integrated leakage insulation detection, active islanding protection;
- ▶ Ultra-silent, modular, IP65 protection, integrated design, easy to install;
- ▶ Full power output under 45°C max. efficiency up to 98.5%;
- ▶ Small size, light weight, plug-in terminal design, easy to install by single person;
- ▶ String detection, identify the abnormal string;
- ▶ Smart and visualized operation and maintenance service, can read the real-time data from the power plant any time.



APPLICATIONS



Household



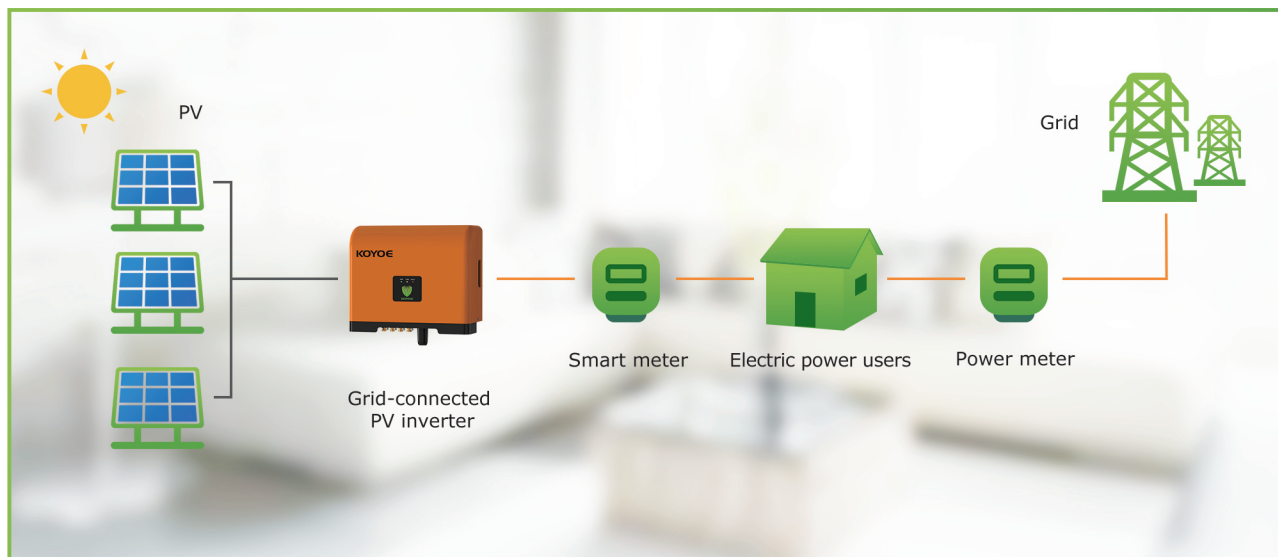
Commercial real estate



Small-sized commercial



Public buildings



List	KY-3GT-20k	KY-3GT-17k	KY-3GT-15k	KY-3GT-12k	KY-3GT-10k	
Efficiency	Max efficiency	98.50%	98.43%	98.30%	98.20%	98.20%
	Euro efficiency	98.10%	98.00%	97.90%	97.80%	97.80%
	MPPT	99.90%	99.90%	99.90%	99.90%	99.90%
PV port	Absolute maximum PV input voltage	1050V	1050V	1050V	1050V	1050V
	Start-up voltage	180V	180V	180V	180V	180V
	Rated PV input voltage	630V	630V	630V	630V	630V
	MPPT range for full load	450V-850V	450V-850V	450V-850V	500V-850V	500V-850V
	Operating MPPT voltage range	200V-950V	200V-950V	200V-950V	200V-950V	200V-950V
	Number of MPPT trackers	2pcs\ (2+2)pcs	2pcs\ (2+2)pcs	2pcs\ (2+1)pcs	2pcs\ (1+1)pcs	2pcs\ (1+1)pcs
	MaxPV input current for each MPPT	23A\23A	23A\23A	23A\12A	12A	12A
	Max input short circuit current for each MPPT	28A\28A	28A\28A	28A\15A	15A	15A
Output AC	Nominal AC power	20000W	17000W	15000W	12000W	10000W
	Absolute maximum AC power	21500VA	18800VA	16500VA	14000VA	11000VA
	Rated grid voltage/grid connected voltage range	400V (230V) \270V-480V				
	Grid type	3L\N\PE	3L\N\PE	3L\N\PE	3L\N\PE	3L\N\PE
	Nominal grid current	31A	28A	23A	20.3A	15.2A
	Rated grid frequency	50Hz\60Hz 45Hz-55Hz\55Hz-65Hz				
	Output THDi	<3%	<3%	<3%	<3%	<3%
	Dc component	<0.5%*In	<0.5%*In	<0.5%*In	<0.5%*In	<0.5%*In
	Nominal power factor and adjustable range	1 and 0.8 leading-0.8 lagging				
	Dc switch	Y	Y	Y	Optional	Optional
Protection	Output over current protection	Y	Y	Y	Y	Y
	Anti-islanding protection	Y	Y	Y	Y	Y
	Current surge protection	DC level 2\AC level3				
	Dc reverse	Y	Y	Y	Y	Y
	Residual current	Y	Y	Y	Y	Y
	Insulation resistor detection	Y	Y	Y	Y	Y
	Current overvoltage protection	Y	Y	Y	Y	Y
	Dimensions(W/H/D)mm	505*424.5*200mm				
General data	Weight	18kg	18Kg	17Kg	16Kg	16Kg
	IP grade	IP65	IP65	IP65	IP65	IP65
	Mounting	Wall bracket	Wall bracket	Wall bracket	Wall bracket	Wall bracket
	Cooling	Wind cooling	Wind cooling	Wind cooling	Wind cooling	Wind cooling
	Topology	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless
	Standby consumption	<15W	<15W	<12W	<10W	<10W
	Ambient temperature	-30°C-60°C(derating at 45°C)				
	Relative humidity	0~100%				
	Altitude	Derating at 2000m				
	Display/monitoring	LED(optional)/APP/Web				
	Communication	GPRS\WIFI				
	AC/DC connection	Plug				
	Standard warranty	5/10years				
Standard	Safety	IEC62109-1/-2, IEC62116, IEC61727				
	EMC	EN61000-6-2, EN61000-6-3				
	Grid	AS/NZS 4777.2, NRS 097-2-1:2017, NBT 32004-2018				