

10-20kW Three Phase Grid Tie Solar Inverter

Suitable for large residential and small commercial PV System Two Mppt design

- Easy Installation
- Thunder protection
- IP65 protection



► 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 200v~950v;

► Safe and reliable

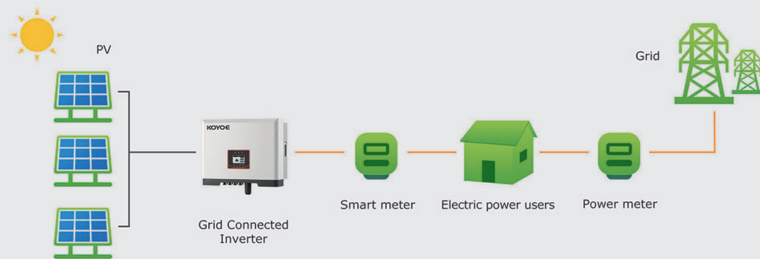
IP65 protection, various protection function, natural cooling, longer lifetime;

► 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-3GT-10k0	Y-3GT-12k0	Y-3GT-15k0	Y-3GT-17k0	Y-3GT-20k0	
Efficiency	Maximum efficiency	97.80%	98.20%	98.30%	98.43%	98.50%
	European efficiency	98.20%	97.80%	97.90%	98%	98.10%
	MPPT efficiency	99.90%	99.90%	99.90%	99.90%	99.90%
DC side	Maximum allowable input strings power(W)	13000	15600	19500	22100	26000
	Rated input power(W)	10300	12350	15400	17500	20520
	Maximum input voltage(V)	1000	1000	1000	1000	1000
	Start voltage(V)	180	180	180	180	180
	Voltage range of MPPT(V)	200 - 950	200 - 950	200 - 950	200 - 950	200 - 950
	Input number of strings(pcs)	1+1	1+1	2+1	2+2	2+2
	Maximum input current(A)	12/12	12/12	23/12	23/23	23/23
	Maximum DC short-circuit current(A)	15/15	15/15	28/15	28/28	28/28
	Rated output power(W)	10000	12000	15000	17000	20000
Maximum output power(VA)	10000	12000	15000	17000	20000	
AC side	Rated grid voltage / grid voltage range	400 V (230 V) /270 V~480V				
	Type of power grid	3LN/PE				
	Frequency(Hz)	50Hz / 60Hz 45Hz~55Hz / 55Hz~65Hz				
	Total harmonic of output current	< 1.5%				
	DC component	< 0.5% * In				
	Power factor	> 0.99 / 0.8 lead - 0.8 lag (adjustable)				
Protect	DC switch	Integrate (Optional)				
	Over current protection / Island protection	Integrate				
	Surge protection	DC class II / AC class III				
	DC reverse connection protection	Integrate				
	Leakage current protection / Insulation protection	Integrate				
	Over/undervoltage protection	Integrate				
Basic parameter information	Dimensions (W*D*H)(mm)	505*200*414				
	Weight (Kg)	16	16	17	18	18
	Protection level	IP65				
	Installation mode	Wall hanging				
	Cooling mode	Natural Convection	Natural Convection	Forced-air	Forced-air	Forced-air
	Topological structure	No transformer				
	Night consumption	<0.5 W				
	Working temperature	-30 °C - 60 °C (> 45 °C derating)				
	Relative humidity	0~95%				
	Altitude	< 3500 m, over 2000 m derating				
	Display mode	LCD				
	Communication	RS485 / WIFI				
	AC/DC connection	Quick plug type				
	Warranty	5/10years				
Standard	Safety standards	IEC62109-1/-2				
	EMC standards	EN61000-6-1/-2/-3, IEC61000-2-2				
	Grid standards	AS/NZS 4777.2, NRS 097-2-1:2017, NBT 32004-2018				