

Model	KY-3GT-20K	KY-3GT-17K	KY-3GT-15K	KY-3GT-12K	KY-3GT-10K
Efficiency					
Maximum efficiency	98.50%	98.43%	98.30%	98.20%	97.80%
DC side					
Maximum input voltage	1000 V	1000 V	1000 V	1000 V	1000 V
Start voltage	180V	180V	180V	180V	180V
Rated input voltage	630 V	630 V	630 V	630 V	630 V
MPPT voltage range / rated input voltage	200 V-950 V	200 V-950 V	200 V-950 V	200 V-950 V	200 V-950 V
Number of MPPT / number of strings	2PCS/(2+2)PCS	2PCS/(2+2)PCS	2PCS/(2+1)PCS	2PCS/(1+1)PCS	2PCS/(1+1)PCS
Maximum input current (PV1)	23A	23A	23A	12A	12A
Maximum input current (PV2)	23A	23A	12A	12A	12A
Maximum DC short-circuit current of each circuit	28A/28A	28A/28A	28A/15A	15A	15A
Max Inverter Backfeed Current to Array	0A	0A	0A	0A	0A
AC side					
Rated output power	20000 W	17000 W	15000 W	12000 W	10000 W
Maximum output power	20000 VA	17000 VA	15000 VA	12000 VA	10000 VA
Rated grid voltage / grid voltage range	400 V (230 V) /270 V-480V				
Type of power grid	3L/N/PE	3L/N/PE	3L/N/PE	3L/N/PE	3L/N/PE
Rated output current	29A	24.6A	21.7 A	17.4A	14.5A
Maximum output current	31A	25A	23 A	17.5A	15.2A
Frequency / range	500HZ / 60HZ 45HZ-55HZ / 55HZ-65HZ				
Total harmonic of output current	< 3%	< 3%	< 3%	< 3%	< 3%
DC component	< 0.5% * In	< 0.5% * In	< 0.5% * In	< 0.5% * In	< 0.5% * In
Power factor / range	> 0.99 / 0.8 lead - 0.8 lag (adjustable)				
Max Output Over Current Protection	33A				
Inrush Current(peak and duration)	91A peak@25us				
Protect					
DC switch	integrate	integrate	integrate	integrate	integrate
Over current protection	integrate	integrate	integrate	integrate	integrate
Island protection	integrate	integrate	integrate	integrate	integrate
Surge protection	DC class II / AC class III				
over voltage category	PV OVC II / AC main OVC III				
DC reverse connection protection	integrate	integrate	integrate	integrate	integrate
Leakage current protection	integrate	integrate	integrate	integrate	integrate
Insulation protection	integrate	integrate	integrate	integrate	integrate

Over/undervoltage protection	integrate	integrate	integrate	integrate	integrate
Basic parameter information					
Dimensions (mm)	505 x 414 x 200				
Weight	18Kg	18Kg	17Kg	16Kg	16Kg
Protection level	IP65	IP65	IP65	IP65	IP65
Installation mode	Wall hanging	Wall hanging	Wall hanging	Wall hanging	Wall hanging
Cooling mode	Wind cooling	Wind cooling	Wind cooling	Wind cooling	Wind cooling
Topological structure-	No transformer				
Anti-islanding protection	Frequency shift				
Standby consumption	<15 W	<15 W	<12 W	<10 W	<10 W
Condition	Outdoor unconditioned				
Protective class	Class I				
Isolation	Transformerless				
Working temperature	-25 °C - 60 °C (45 °C derating)				
Relative humidity	0~100%				
Altitude	< 3500 m, over 2000 m derating				
Display mode	LCD				
Communication	WIFI / GPRS				
AC/DC connection	Quick plug type				
Warranty	10 years				
Standard					
Safety standards	IEC62109-1/-2, IEC62116, IEC61727				
EMC standards	IEC 61000-6-2, IEC 61000-6-3				
Grid standards	AS/NZS 4777.2 NB / T 32004-2018				
Others					
Country of origin	Made in China				