

# KY-3GT 10K-20K Datasheet

Model	KY-3GT-20K0	KY-3GT-17K0	KY-3GT-15K0	KY-3GT-12K0	KY-3GT-10K0
<b>Efficiency</b>					
Maximum efficiency	98.50%	98.43%	98.30%	98.20%	97.80%
European efficiency	98.10%	98%	97.90%	97.80%	98.20%
MPPT efficiency	99.90%	99.90%	99.90%	99.90%	99.90%
<b>DC side</b>					
Maximum allowable input strings power (W)	26000	22100	19500	15600	13000
Rated input power (W)	20520	17500	15400	12350	10300
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)	2+2	2+2	2+1	1+1	1+1
Maximum input current (A)	23/23	23/23	23/12	12/12	12/12
Maximum DC short-circuit current (A)	28/28	28/28	28/15	15/15	15/15
<b>AC side</b>					
Rated output power (W)	20000	17000	15000	12000	10000
Maximum output power (VA)	20000	17000	15000	12000	10000
Rated grid voltage / grid voltage range	400 Vac /270 -480Vac				
Type of power grid	3L/N/PE				
Frequency (Hz)	50 /60				
Total harmonic of output current	< 3%				
DC component	< 0.5% * In				
Power factor	> 0.99 (0.8 lead - 0.8 lag adjustable)				
<b>Protect</b>					
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				
<b>Basic parameter information</b>					
Dimensions (mm)	505 x 414 x 200				
Weight (Kg)	18	18	17	16	16
Protection level	IP65				
Installation mode	Wall hanging				
Cooling mode	Intelligent fan cooling			Natural Convection	
Topological structure	No transformer				
night consumption	<0.5 W				
Working temperature	-25 - 60 °C (> 45 °C derating)				
Relative humidity	0~95%				
Altitude	< 3500 m, over 2000 m derating				
Display mode	LCD				
Communication	RS485 / WIFI / GPRS (Optional)				
AC/DC connection	Quick plug type				
Warranty	5/10years				
<b>Standard</b>					
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, NB/T 32004-2018				