GRID-TIED INVERTER

INVERTER

THREE-PHASE: GT3-75/100/110/125K-1, GT3-75/100/110/125K-11, GT3-75/100/110K-12 (EN)

Model	GT3-75K-12	GT3-75K-11	GT3-100K-12	GT3-110K-12	GT3-75K-1	GT3-100K-11	GT3-110K-11	GT3-125K-11	GT3-100K-1	GT3-110K-1	GT3-125K-1
PV Input											
Max. DC Input Power [Wp]	112500	112500	150000	165000	112500	150000	165000	187500	150000	165000	187500
Max. DC Input Voltage[V]	1100										
Min. PV Input Voltage[V]	180										
Start-up DC Input Voltage[V]	200										
Nominal DC Input Voltage[V]	600										
MPPT Operating Range[V]	180 - 1000										
Max. DC Input Current[A]	4*40	6*40			8*40				10*40		
Max. Short Circuit current[A]	4*52	6*52			8*52				10*52		
No. of MPPTs	4	6			8				10		
No. of Strings per MPP Tackers	4*2	6*2			8*2				10*2		
AC Output Data											
Nominal Output Power [W]	75000	75000	100000	110000	75000	100000	110000	125000	100000	110000	125000
Max. Apparent Power [VA]	75000	75000	110000	121000	82500	110000	121000	137500	110000	121000	137500
Rated AC Grid Output Current[A]	114.0	114.0	151.9	167.1	114.0	151.9	167.1	189.9	151.9	167.1	189.9
Max. AC Output Current[A]	114.0	114.0	167.1	183.8	114.0	167.1	183.8	208.9	167.1	183.8	208.9
Rated AC Grid Voltage[V]	3L / N / PE, 3L / PE, 380 / 400 / 415										
AC Grid Voltage Range①[V]	320 - 480										
Rated Grid Frequency [Hz]	50 / 60										
Grid Frequency Range②[Hz]	45-55 / 55-65										
Power Factor	> 0.99 at rated power (Adjustable 0.8 Leading - 0.8 Lagging)										
THDi	<3% at rated power										
Efficiency											
Max. Efficiency[%]	98.50%	98.50%	98.50%	98.50%	98.50%	98.50%	98.50%	98.50%	98.50%	98.50%	98.50%
Euro Efficiency[%]	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%
MPPT Efficiency[%]	>99%										
Protection											
Integrated DC Switch	Support										
DC Reverse Polarity Protection	Support										
Surge Protection	Type II										
PV Current Detection	Support										
Insulation Resistor Detection	Support										
Output Over Current Protection	Support										
AC Short Circuit Protection	Support										
Output Over Voltage Protection	Support										
Anti-islanding Protection	Support										
Temperature Protection	Support										
Ground Fault Monitoring	Support										
Internal Over Voltage Protection	Support										
Input Over Current Protection	Support										
Grid Monitoring	Support										
Integrated PID Recovery	Support										
Residual Current Monitoring Unit	Support										
AFCI Protection	Optional										
General Data											
Dimensions(W*H*D) [mm]	960*725*361										
Weight [kg]	87										
Mounting Information	Wall Mounting										
Protection Degree	IP66										
Operating Temperature Range [°C]	-30 to +60 (derating at 45)										
Relative Humidity	0 - 100%										
Max. Operating Altitude[m]	4000(≥3000) derating										
Night Self Consumption [W]	<5 W										
Display	LED+APP										
Communication	RS485, Wi-Fi										
Topology	Transformerless										
Certifications and Standards											
Grid Regulation	IEC61727, IEC62116, NRS 097, EN50549, NO. 140										
Safety / EMC	IEC62109-1 / -2										
Standard Warranty	EN61000-6-1 / 2 / 3 / 4										