

T SERIES (G3) 3- Phase inverter ON GRID SERIES



TECHNICAL SPECIFICATIONS

MODEL	T3-G3	T4-G3	T5-G3	T6-G3	T8-G3	T10-G3	T12-G3	T15-G3	T17-G3	T20-G3	T23-G3	T25-G3
INPUT												
Max. Recommended DC power [W]	4500	6000	7500	9000	12000	15000	18000	22500	25500	30000	34500	37500
Max. DC Voltage [V]	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
Nominal DC Operating Voltage [V]	600	600	600	600	600	600	600	600	600	600	600	600
Max. Input Current (input A/input B) [A]	14/14	14/14	14/14	14/14	14/14	14/14	14/14	28/28	28/28	28/28	28/28	28/28
Max. Short Circuit Current (input A/input B) [A]	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	36.4/36.4	36.4/36.4	36.4/36.4	36.4/36.4	36.4/36.4
MPPT Voltage Range [Vdc]	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000
MPPT Voltage Range (full load) [Vdc]	140-850	155-850	190-850	230-850	300-850	380-850	455-850	275-850	315-850	370-850	430-850	460-850
Start-up voltage [V]	140	140	140	140	140	140	140	140	140	140	140	140
No. of MPP Trackers	2	2	2	2	2	2	2	2	2	2	2	2
Strings per MPP Tracker	1+1	1+1	1+1	1+1	1+1	1+1	1+1	2+2	2+2	2+2	2+2	2+2
OUTPUT												
Nominal AC Power [W]	3000	4000	5000	6000	8000	10000	12000	15000	17000	20000	23000	25000
Max. Apparent AC Power [VA]	3000	4000	5000	6000	8000	10000	12000	15000	17000	20000	23000	25000
Rated Grid Voltage (AC Voltage Range) [Vac]	3/N/PE, 220V/380V, 230V/400V 240V/415V											
Rated Grid Frequency [Hz]	50/60											
Nominal AC Current [A]	4.3	5.8	7.2	8.7	11.6	14.5	17.4	21.7	24.6	29.0	33.3	36.2
Max. AC Current [A]	4.8	6.4	8.0	9.6	12.8	15.9	19.1	23.9	27.1	31.9	36.7	39.9
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)											
Total Harmonic Distortion (THDi, @rated output)	<3%											
EFFICIENCY												
MPPT Efficiency [%]	99.8											
Euro Efficiency [%]	97.8											
Max. Efficiency (@rated voltage) [%]	98.6											
PROTECTION												
DC Reverse-polarity Protection:	YES											
Anti-islanding Protection:	YES											
Insulation Monitoring:	YES											
Residual Current Monitoring:	YES											
AC Short Circuit Protection:	YES											
AC Output Over Current Protection:	YES											
AC Output Over Voltage Protection:	YES											
Surge Protection:	Type II(DC) / Type II(AC)											
Temperature Protection:	YES											
Integrated DC Switch:	YES											
AFCI Protection	Optional											
String Level Monitor	YES						Optional					
STANDARD												
Safety	IEC62109-1/2											
EMC	61000-6-1/IEC 61000-6-2/IEC 61000-6-3/IEC61000-4-2/3/4/5/6/8											
Certification	AS4777.2-2020 / VDE-AR-N 4105 /VDE0126-1-1 /G98 / G99 / EN50549-1/ CEI 0-21/ NB/T32004 IEC62116 /IEC61727 /IEC61683											
GENERAL DATA												
Dimensions (WxHxD) [mm]	370*480*183.5											
NET Weight [kg]	17						21					
Cooling Concept	Natural						FAN					
Protective class	I											
Degree of Protection (according to IEC60529)	IP65											
Topology	Transformerless											
Over Voltage Category	III (AC side), II (PV side)											
Noise [dB]	<30						<55					
Operating Temperature Range [°C]	-25..... +60(derating at +45)											
Storage Temperature Range [°C]	-40..... +70											
Altitude[m]	3000											
Humidity	0-100% (no condensation)											
Self Consumption (night) [W]	<3											
Pollution Degree	II											
Monitoring Module (optional)	RS485, WIFI (optional) / GPRS (optional) / 4G(optional)											
Communication	Meter, DRM, USB update, E-stop											
Display	LCD screen, Touch Key, App, Website											
Warranty [year]	10 (Standard)											