



DATASHEET

Three-Phase T3 Series

3000T3 / 4000T3 / 5000T3 / 6000T3 / 8000T3 / 10000T3
/ 12000T3 / 15000T3 / 17000T3 / 20000T3 / 25000T3



T3 SERIES

3-PHASE INVERTERS

The T3 Series inverter range is aimed at 3-phase domestic and small-scale commercial installations, offering unrivalled performance and versatility for increased yield potential and longer generation windows. The 3-phase T3 Series inverter options range from 3kW to 25kW.



High Performance

Low start-up voltage, wide voltage range, 98.6% maximum efficiency



Battery Ready

Full optimised for upgrade to the Solar Distribution range of battery storage systems



IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation



Remote Monitoring

Monitor your system remotely via smartphone app or web portal

ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform.



THE T3 SERIES



Visit www.solardistribution.eu or call us.

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www.solardistribution.eu - VAT: FR10504462144
Solar Distribution : 106 Villeneuve, 85150, Landeronde (France) -
info@solardistribution.eu - Tel : 33 (0) 668194321



TECHNICAL SPECIFICATIONS

MODEL	T3	T4	T5	T6	T8	T10	T12	T15	T17	T20	T25	
INPUT												
Max. Recommended DC power [W]	4500	6000	7500	9000	12000	15000	18000	22500	25500	30000	37500	
Max. DC Voltage [V]	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	
Max. Input Current (input A/input B) [A]	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	25/12.5	25/25	25/25	25/25	
Max. Short Circuit Current (input A/input B) [A]	16.25/16.25	16.25/16.25	16.25/16.25	16.25/16.25	16.25/16.25	16.25/16.25	16.25/16.25	32.5/16.25	32.5/32.5	32.5/32.5	32.5/32.5	
MPPT Voltage Range [Vdc]	160-850	160-850	160-850	160-850	160-850	160-850	160-850	160-850	160-850	160-850	160-850	
MPPT Voltage Range (full load) [Vdc]	160-850	180-850	210-850	250-850	330-850	410-850	490-850	410-850	350-850	410-850	510-850	
Start-up Voltage [V]	180	180	180	180	180	180	180	180	180	180	180	
No. of MPP Trackers	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+1	2+2	2+2	2+2	
OUTPUT												
Nominal AC Power [W]	3000	4000	5000	6000	8000	10000	12000	15000	17000	20000	25000	
Max. Apparent AC Power [VA]	3300	4400	5500	6600	8800	11000	13200	16500	18700	22000	27500	
Rated Grid Voltage (AC Voltage Range) [Vac]	3/N/PE, 230/400 (310-480)											
Rated Grid Frequency [Hz]	50/60, ±5											
Nominal AC Current [A]	4.3	5.8	7.2	8.7	11.6	14.5	17.4	21.7	24.6	29.0	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	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:	YES											
Temperature Protection:	YES											
Integrated DC Switch:	Optional											
STANDARD												
Safety	IEC62109-1/2											
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3/IEC61000-4-2/3/4/5/6/8											
Certification	AS4777.2-2015 / VDE-AR-N 4105 /VDE0126-1-1 /G98 / G99 / EN50549-1/ CEI 0-21 IEC62116 /IEC61727 /IEC61683											
GENERAL DATA												
Dimensions (WxHxD) [mm]	475*384*186											
NET Weight [kg]	20										24	
Cooling Concept	Convection										Forced Convection	
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]	-20..... +60°C (derating at +45°C)											
Storage Temperature Range [°C]	-40..... +70°C											
Altitude	3000											
Humidity	0-100% (no condensation)											
Self Consumption (night) [W]	<3W											
Monitoring Module (optional)	RS485, WIFI (optional) / GPRS (optional)											
Communication	Meter, DRM, USB update, E-stop											
Display	LCD screen, Touch Key, App, Website											

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