Three Phase String Inverter
Trio Plus
8.0/ 10.0/ 12.0/ 15.0

Simple. Reliable. Efficient.

5 YEARS Product Warranty

High Efficiency	Wide Product Range	Remote Monitoring	IP65 Rated	High PV Voltage

8.0kW **10.0kW** **12.0kW**

Trio-Plus-8.0/ Trio-Plus-10.0/ Trio-Plus-12.0/ Trio-Plus-15.0

TommaTech® Trio-Plus range of Dual MPPT string inverters with a maximum efficiency of 98.3% are unrivalled in the industry for their Software and Hardware protection, boasting two MPPTs with a wide PV input voltage up to 1000V, to allow for more solar energy harvesting. Additionally, the three phase inverters are IP65 rated thus allowing for outside installation.

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	Trio-P-8.0	Trio-P-10.0	Trio-P-12.0	Trio-P-15.0P
DC INPUT				
Max. PV array power [Wp]	12000	15000	18000	22500
Max. DC voltage [V]		1000		
Nominal DC operating voltage [V]		600		
Max. input current [A]		12/24		
Max. short circuit current [A]		14/28		
MPPT voltage range [V]		160-850		
Start operating voltage [V]		180		
No. of MPPTs		2		
Strings per MPPT		1/2		
AC OUTPUT				
Nominal AC power [VA]	8000	10000	12000	15000
Max. AC apparent power [VA]	8800	11000	13200	16500
Nominal grid voltage [V]		3/N/PE, 230/400(310-480)		
Nominal grid frequency [Hz]		50/60		
Nominal AC current [A]	11.6	14.5	17.4	21.7
Max. AC current [A]	12.8	15.9	19.1	23.9
Displacement power factor		0.8 Leading ~ 0.8 Lacking		
THDi, rated power [%]		<3		
EFFICIENCY				
MPPT efficiency [%]		99.9		
Euro. efficiency [%]		97.8		
Max. efficiency [%]		98.3		
POWER CONSUMPTION				
Standby consumption (Night) [W]		<3		
STANDARD				
Over voltage protection		Yes		
Over current protection		Yes		
DC isolation impedance monitoring		Yes		
Ground fault current monitoring		Yes		
DC injection monitoring		Yes		
RCD protection		Yes		
Safety		EN62109-1/-2		
EMC		EN61000-6-1;EN61000-6-2;EN61000-6-3;EN61000-3-12;EN61000-3-11		
ENVIRONMENT LIMIT				
Degree of protection (according to IEC60529)		IP65		
Operating temperature range [°C]		-25~+60 (Derating at 45)		
Max. operation altitude [m]		<2000		
Humidity [%]		0~100 (Condensing)		
Storage temperature [°C]		-25~60		
Typical noise emission [dB]		<45		
DIMENSIONS AND WEIGHT				
Dimensions (WxHxD) [mm]		534x419x179		
Weight [kg]		32		
Cooling concept		Forced-Cooling		
Topology		Non-Isolated		
Communication interfaces		RS485 / DRM / USB - Update / Optional: Mobile Wi-Fi / Mobile LAN / Remote Wi-Fi / Trio Smart Meter		
LCD display		Backlight 16x4 Character		
Standard warranty [years]		5 (Extendable)		

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