



Three Phase String Inverter  
**Trio Atom K-Series**

**3.0/4.0/ 5.0/ 6.0/ 8.0/ 10.0/12.0/15.0**

*Small Inverter  
Big Performance*



High  
Efficiency



Wide Product  
Range



Remote  
Monitoring



IP66  
Rated



High  
PV Voltage



3.0kW

4.0kW

5.0kW

**Trio-Atom-K-3.0/Trio-Atom-K-4.0/ Trio-Atom-K-5.0/  
Trio-Atom-K-6.0/Trio-Atom-K-8.0/Trio-Atom-K-10.0/  
Trio-Atom-K-12.0/ Trio-Atom-K-15.0**

With the latest Trio-Atom K-Series inverters, TommaTech® continues to set new standards in the residential solar market. Ranging from 3kW to 15kW and equipped with two highly efficient MPPTs, TommaTech®'s new three-phase inverters maximize solar energy utilization with exceptionally high maximum PV input capacities.



Trio-A-K-3 Trio-A-K-4 Trio-A-K-5 Trio-A-K-6 Trio-A-K-8 Trio-A-K-10 Trio-A-K-12 Trio-A-K-15

## DC INPUT

	6000	8000	10000	12000	16000	20000	24000	30000
Max. PV array power [Wp]								
Max. DC voltage [V]				1000				1000
Nominal DC operating voltage [V]				640				640
Max. input current [A]				16/16				32/16
Max. short circuit current [A]				20/20				40/20
MPPT voltage range [V]				120-980				120-980
Start operating voltage [V]				150				150
No. of MPPTs				2				2
Strings per MPPT				1/1				2/1

## AC OUTPUT

	3000	4000	5000	6000	8000	10000	12000	15000
Nominal AC power [VA]								
Max. AC power [VA]								
Nominal grid voltage [V]	220/380, 230/400, 3/N/PE, 3/PE							
Nominal grid frequency [Hz]	50/60							
Nominal AC current [A]	4.6/4.4	6.1/5.8	7.6/7.3	9.1/8.7	12.2/11.6	15.2/14.5	18.2/17.4	22.7/21.8
Max. AC current [A]	4.8	6.4	8.0	9.6	12.8	16.0	19.1	22.7
Displacement power factor	0.8 Leading ~ 0.8 Lacking							
THDi, rated power [%]	<3							

## EFFICIENCY

Euro. efficiency [%]								
Max. efficiency [%]								

## POWER CONSUMPTION

Standby consumption [W]								
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## STANDARD

Over/under voltage protection								
Over Temp. protection								
DC isolation impedance monitoring								
Anti-islanding protection								
DC injection monitoring								
RCD protection								
LCD Display								
Safety	IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004							
EMC	IEC/EN 61000; NB/T 32004							

## ENVIRONMENT LIMIT

Degree of protection (according to IEC60529)								
Operating temperature range [°C]								
Max. operation altitude [m]								
Humidity [%]								
Storage temperature [°C]								
Typical noise emission [dB]	<30	<30	<30	<30	<45	<45	<50	<50

## DIMENSIONS AND WEIGHT

Dimensions (WxHxD) [mm]	342x434x144.5				342x434x156			
Weight [kg]	15.5	15.5	15.5	15.5	17	17	18	18
Cooling concept	Natural cooling				Smart fan cooling			
Communication interfaces	RS485 / DRM / USB - Update / Optional: Dongle Wi-Fi / Dongle LAN / Dongle 4G / Trio Smart Meter							
Standard warranty [years]	10 (5 Years Product + 5 Year Parts)							