

Certificate of Conformity (COC)



Certificate Holder : TommaTech GmbH
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Date of Original Issue : 2026-06-18

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Certificate Number : PCS-26-1127

Product : Hybrid Inverter

Ratings : See appendix on page 2 and page 3

Brand/Trademark : 
GERMAN-based company

Model : Trio Hybrid S 5K HV, Trio Hybrid S 6K HV, Trio Hybrid S 8K HV, Trio Hybrid S 10K HV, Trio Hybrid S 12K HV, Trio Hybrid S 15K HV, Trio Hybrid S 20K HV, Trio Hybrid S 25K HV

Test Laboratory : SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Testing Report(s) : GZGC260500032403 and GZGC260500032404

Test Standard(s) : IEC 61683:1999, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009 and IEC 60068-2-30:2005



This is to certify that the product has been tested and was found to comply with the requirements of the standard(s).
The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

Christopher Hee
Certification Officer

SGS Testing & Control Services Singapore Pte Ltd
30 Boon Lay Way #03-01 Singapore 609957



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Model	Trio Hybrid S 5K HV	Trio Hybrid S 6K HV	Trio Hybrid S 8K HV	Trio Hybrid S 10K HV
PV Input				
Max. Input Voltage (V)	1000			
Start-up Operating Voltage (V)	180			
Rated Input Voltage (V)	600			
Full Power MPPT Voltage Range (V)	195~850	195~850	260~850	325~850
Max. Input Current (A)	20+20			
Max. Short Circuit Current (A)	30+30			
Battery				
Battery Type	Lithium-ion			
Battery Voltage Range (V)	160~700			
Max. Charging/Discharging Current (A)	30	30	37	37
AC Output				
Nominal Grid Voltage (V)	3L/N/PE, 230/400			
Nominal Grid Frequency (Hz)	50/60			
Rated AC Power (kW)	5.0	6.0	8.0	10.0
Max. AC Apparent Power (kVA)	5.5	6.6	8.8	11.0
Rated AC Current (A)	7.3	8.7	11.6	14.5
Max. AC Current (A)	8.0	9.6	12.8	16.0
Output Power Factor	0.8 leading to 0.8 lagging			
General Data				
Operating Temperature Range	-40 °C ~ +60 °C (Above 45 °C Derating)			
Protection Degree	IP65			
Protective Class	Class I			
Cooling Method	Natural Cooling		Intelligent Air Cooling	
Topology	Non-Isolated			



Model	Trio Hybrid S 12K HV	Trio Hybrid S 15K HV	Trio Hybrid S 20K HV	Trio Hybrid S 25K HV
PV Input				
Max. Input Voltage (V)	1000			
Start-up Operating Voltage (V)	180			
Rated Input Voltage (V)	600			700
Full Power MPPT Voltage Range (V)	340~850	420~850	500~850	625~850
Max. Input Current (A)	26+20	26+20	26+26	26+26
Max. Short Circuit Current (A)	39+30	39+30	39+39	39+39
Battery				
Battery Type	Lithium-ion			
Battery Voltage Range (V)	160~700			
Max. Charging/Discharging Current (A)	37	37	37	50
AC Output				
Nominal Grid Voltage (V)	3L/N/PE, 230/400			
Nominal Grid Frequency (Hz)	50/60			
Rated AC Power (kW)	12.0	15.0	20.0	25.0
Max. AC Apparent Power (kVA)	13.2	16.5	22.0	27.5
Rated AC Current (A)	17.4	21.8	29.0	36.3
Max. AC Current (A)	19.2	24.0	31.9	39.9
Output Power Factor	0.8 leading to 0.8 lagging			
General Data				
Operating Temperature Range	-40 °C ~ +60 °C (Above 45 °C Derating)			
Protection Degree	IP65			
Protective Class	Class I			
Cooling Method	Intelligent Air Cooling			
Topology	Non-Isolated			

