

# Certificate of Conformity (COC)



Certificate Holder : TommaTech GmbH  
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Date of Original Issue : 2026-06-25


Date of Last Revision : --

Date of Expiry : 2029-06-24

Certificate Number : PCS-26-1134

Product : Hybrid Inverter

Ratings : See appendix on page 2 to page 3

Brand/Trademark :   
GERMAN-based company

Model(s) : Trio Hybrid S 5K LV, Trio Hybrid S 6K LV, Trio Hybrid S 8K LV, Trio Hybrid S 10K LV,  
Trio Hybrid S 12K LV, Trio Hybrid S 5K LV AIO, Trio Hybrid S 6K LV AIO,  
Trio Hybrid S 8K LV AIO, Trio Hybrid S 10K LV AIO, Trio Hybrid S 12K LV AIO

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

Testing Report : GZGC260500032601, GZGC260500032602, GZGC260500032603 and GZGC260500032604

Test Standard : IEC 61727:2004, IEC 62116:2014, 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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Product Model	Trio Hybrid S 5K LV	Trio Hybrid S 6K LV	Trio Hybrid S 8K LV	Trio Hybrid S 10K LV	Trio Hybrid S 12K LV
<b>Input (PV)</b>					
Max. PV Input Power (W)	7500	9000	12000	15000	18000
Max. PV Voltage (V)	800				
Start-up Input Voltage (V)	160				
Rated Input Voltage (V)	550				
MPPT Voltage Range (V)	200-650				
Full Load MPPT Voltage Range (V)	350-650				
Max. Operating PV Input Current (A)	13+13	13+13	13+13	26+13	26+13
Max. Short Circuit Current (A)	17+17	17+17	17+17	34+17	34+17
No. of MPP Trackers/ No. of Strings MPP Tracker	2/1+1	2/1+1	2/1+1	2/2+1	2/2+1
<b>Battery Input</b>					
Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range (V)	40-60				
Max. Charging Current (A)	120	150	190	210	240
Max. Discharging Current (A)	120	150	190	210	240
<b>Output (AC)</b>					
Rated AC Output Power (W)	5000	6000	8000	10000	12000
Max. AC Output Power (VA)	5500	6600	8800	11000	13200
Rated AC Output Current (A)	7.2	8.7	11.6	14.5	17.4
Max. AC Output Current (A)	8.0	9.6	12.8	15.9	19.1
Nominal Grid Voltage (V)	3L/N/PE, 230/400				
Nominal Frequency (Hz)	50/60				
Power Factor	0.8 leading to 0.8 lagging				
<b>General Data</b>					
Topology	Non-Isolated				
Operating Temperature Range	-40 °C ~ +60 °C, > +45 °C Derating				
Degree of Protection	IP65				
Type of Cooling	Intelligent Air Cooling				



Product Model	Trio Hybrid S 5K LV AIO	Trio Hybrid S 6K LV AIO	Trio Hybrid S 8K LV AIO	Trio Hybrid S 10K LV AIO	Trio Hybrid S 12K LV AIO
<b>Input (PV)</b>					
Max. PV Input Power (W)	8000	9600	12800	16000	19200
Max. PV Voltage (V)	800				
Start-up Input Voltage (V)	160				
Rated Input Voltage (V)	550				
MPPT Voltage Range (V)	200-650				
Full Load MPPT Voltage Range (V)	350-650				
Max. Operating PV Input Current (A)	20+20	20+20	20+20	36+20	36+20
Max. Short Circuit Current (A)	30+30	30+30	30+30	54+30	54+30
No. of MPP Trackers/ No. of Strings MPP Tracker	2/1+1	2/1+1	2/1+1	2/2+2	2/2+2
<b>Battery Input</b>					
Battery Type	Lithium-ion				
Battery Voltage Range (V)	40-60				
Max. Charging Current (A)	120	130	190	210	240
Max. Discharging Current (A)	120	130	190	210	240
<b>Output (AC)</b>					
Rated AC Output Power (W)	5000	6000	8000	10000	12000
Max. AC Output Power (VA)	5500	6600	8800	11000	13200
Rated AC Output Current (A)	7.2	8.7	11.6	14.5	17.4
Max. AC Output Current (A)	8.0	9.6	12.8	15.9	19.1
Nominal Grid Voltage (V)	3L/N/PE, 230/400				
Nominal Frequency (Hz)	50/60				
Power Factor	0.8 leading to 0.8 lagging				
<b>General Data</b>					
Topology	Non-Isolated				
Operating Temperature Range	-40 °C ~ +60 °C, > +45 °C Derating				
Degree of Protection	IP65				
Type of Cooling	Intelligent Air Cooling				

