

# Certificate of Conformity (COC)



Certificate Holder : TommaTech GmbH  
Zeppelinstr. 14 85748 Garching b.München, Germany

Date of Original Issue : 2026-05-22


Date of Last Revision : --

Date of Expiry : 2029-05-21

Certificate Number : PCS-26-1109

Product : Grid-connected PV Inverter

Ratings : See appendix on page 2

Brand/Trademark :   
GERMAN-based company

Model(s) : Trio Zen 40K, Trio Zen 45K, Trio Zen 50K

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

Testing Report : GZGC260300016101, GZGC260300016102, GZGC260300016103 and GZGC260300016104

Test Standard : IEC 62116:2014, IEC 61727:2004, 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



Model	Trio Zen 40K	Trio Zen 45K	Trio Zen 50K
<b>PV Input</b>			
Recommended Max. PV Input Power (kW)	52.0	58.5	65.0
Max. Input Voltage (V)	1100		
Start-up Operating Voltage (V)	250		
Rated Input Voltage (V)	600		
MPPT Operating Voltage Range (V)	200~1000		
Full Power MPPT Voltage Range (V)	450~850		
Max. Input Current (A)	40+40+40	40+40+40	40+40+40+40
Max. Short Circuit Current (A)	60+60+60	60+60+60	60+60+60+60
<b>AC Output</b>			
Nominal Grid Voltage (V)	3L/N/PE, 230/400		
Nominal Grid Frequency (Hz)	50/60		
Rated AC Power (kW)	40.0	45.0	50.0
Max. AC Apparent Power (kVA)	44.0	49.5	55.0
Rated AC Current (A)	58.0	65.2	72.5
Max. AC Current (A)	63.8	71.7	79.7
Output Power Factor	0.8 leading~0.8 lagging		
<b>General Data</b>			
Operating Temperature Range	-25 ~ +60 °C, >45 °C derating		
Protection Degree	IP65		
Protective Class	Class I		
Cooling Method	Intelligent air cooling		
Topology	Non-isolated		

