



**BUREAU  
VERITAS**

# Certificate of compliance

**Applicant:** TommaTech GmbH  
Zeppelinstr. 14  
85748 Garching b. München,  
Germany

**Product:** Grid-tied Photovoltaic Inverter

**Model:** Trio Force 70K,  
Trio Force 75K,  
Trio Force 80K,  
Trio Force 90K,  
Trio Force 100K,  
Trio Force 110K

**The device is designed to work as a generation unit of the type: A and B**

Inverter for three-phase / single-phase parallel connection to the public grid. The network monitoring and disconnection device is an integral part of the above-mentioned model.

**Applied rules and standards:**

EN 50549-1:2019/A1:2023

Requirements for parallel connection of installations with distribution networks - Part 1: Connection to an LV distribution network - Production of installations up to and including Type B

4.4 Normal operating range

4.5 Immunity to disturbances

4.6 Active response to frequency deviation

4.7 Power response to voltage variations and voltage changes

4.8 EMC and power quality

4.9 Interface protection

4.10 Connection and starting to generate electrical power

4.11 Ceasing and reduction of active power on set point

4.13 Requirements regarding single fault tolerance of interface protection system and interface switch

Commission Regulation (EU) 2016/631 of 14 April 2016

Establishing a network code on requirements for grid connection of generators (NC RFG).

Type approval for generation units to use in Type A and B plants.

\* 4.5 Immunity to disturbances, only limited grid support mode was tested (zero current mode) for FRT function

At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

**Report number:** CWXK-ESH-P26020669

**Certification Program:** NSOP-0032-DEU-ZE-ES-V11

**Certificate number:** U26-0539

**Date of issue:** 2026-07-03

**Certification body**

**Accreditation**



Domenik Koll  
Head of Energy Systems Germany



Accredited certification body by Deutsche Akkreditierungsstelle GmbH (DAkKS) according to ISO/IEC 17065. The accreditation is valid only for the scope listed in the annex of the accreditation certificate D-ZE-12024-01-00. The Deutsche Akkreditierungsstelle GmbH (DAkKS) is signatory of the multilateral arrangements of EA, ILAC and IAF for mutual recognition.

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**Type Approval and declaration of compliance with the requirements of EN 50549-1 and Commission Regulation (EU) 2016/631 of 14 April 2016**

<b>Manufacturer</b>	TommaTech GmbH Zeppelinstr. 14 85748 Garching b.München, Germany			
<b>Product type</b>	Grid-tied Photovoltaic Inverter			
<b>Static converter model</b>	Trio Force 70K	Trio Force 75K	Trio Force 80K	Type
<b>Input DC (photovoltaic)</b>				
MPP voltage range [V]	200-850	200-850	200-850	--
Max. input voltage [V]	1000	1000	1000	--
Max. input current per MPPT [A]	4*40	4*40	4*40	--
<b>Output AC</b>				
Rated AC voltage [V]	3L/N/PE, 230V/400V, 50Hz/60Hz	3L/N/PE, 230V/400V, 50Hz/60Hz	3L/N/PE, 230V/400V, 50Hz/60Hz	--
Rated output current [A]	101,5	108,7	115,9	--
Max. output current [A]	111,6	119,6	127,5	--
Nom. converter output (P <sub>NINV</sub> ) [kW]	70	75	80	--
Max. apparent power [kVA]	77	82,5	88	--
<b>Static converter model</b>	Trio Force 90K	Trio Force 100K	Trio Force 110K	Type
<b>Input DC (photovoltaic)</b>				
MPP voltage range [V]	200-850	200-850	200-850	--
Max. input voltage [V]	1000	1000	1000	--
Max. input current per MPPT [A]	6*40	6*40	6*40	--
<b>Output AC</b>				
Rated AC voltage [V]	3L/N/PE, 230V/400V, 50Hz/60Hz	3L/N/PE, 230V/400V, 50Hz/60Hz	3L/N/PE, 230V/400V, 50Hz/60Hz	--
Rated output current [A]	130,4	144,9	159,4	--
Max. output current [A]	143,5	159,4	175,4	--
Nom. converter output (P <sub>NINV</sub> ) [kW]	90	100	110	--
Max. apparent power [kVA]	99	110	121	--

<b>Interface protection system and interface switch (Network and system protection "NS-protection")</b>	
<b>Type of protection</b>	integrated NS-protection
<b>Assigned to generation unit type</b>	Trio Force 70K, Trio Force 75K, Trio Force 80K, Trio Force 90K, Trio Force 100K, Trio Force 110K
<b>Integrated interface switch</b>	Type of switching equipment 1: Relay (Model HF167F-140) Type of switching equipment 2: Relay (Model HF167F-140)
	Note: The output is switched off by the inverter bridge and two relay in series in each line and neutral.
<b>Software</b>	
<b>Firmware version</b>	3252
<b>Note</b>	
<p>The settings of the product are password protected adjustable.</p> <p>In case the generators are used with an external protection device, the protection settings of the inverters are to be adjusted according to the manufacturer's declaration.</p> <p>The above stated generators are tested according to the requirements in the EN 50549-1 and the Commission Regulation (EU) 2016/631 of 14 April 2016. Any modification that affects the stated tests must be named by the manufacturer/supplier of the product to ensure that the product meets all requirements.</p>	