

Certificate of compliance

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

Product: Energy Storage Photovoltaic Inverter

Model: Trio-Hybrid Pro 4.0K, Trio-Hybrid Pro 5.0K,
Trio-Hybrid Pro 6.0K, Trio-Hybrid Pro 8.0K,
Trio-Hybrid Pro 10.0K, Trio-Hybrid Pro 12.0K,
Trio-Hybrid Pro 15.0K

Inverter for three-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:

IEC 61727:2004

Photovoltaic (PV) systems – Characteristics of the utility interface

IEC 62116:2014

Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters

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: SXP-ESH-P25031136-1, SXP-
ESH-P25031136-2

Certification Program:

NSOP-0032-DEU-ZE-V10

Certificate number: U25-0433

Date of issue:

2025-05-21

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 IEC 61727:2004, IEC 62116:2014				
Manufacturer	TommaTech GmbH Zeppelinstr. 14, 85748 Garching b. München Germany			
Product type	Energy Storage Photovoltaic Inverter			
Static converter model	Trio-Hybrid Pro 4.0K	Trio-Hybrid Pro 5.0K	Trio-Hybrid Pro 6.0K	Trio-Hybrid Pro 8.0K
Input (PV DC)				
MPP voltage range [V]	110-950	110-950	110-950	110-950
Max. input voltage [V]	1000	1000	1000	1000
Max. input current per MPPT [A]	20/20	20/20	20/20	20/20/20
Input (DC battery)				
DC voltage [V]	130-800	130-800	130-800	130-800
Max. charge current [A]	30/30	30/30	30/30	30/30
Max. discharge current [A]	30/30	30/30	30/30	30/30
Output (AC)				
Rated AC voltage [V]	220/380,230/400,3L/ N/PE,50/60Hz	220/380,230/400,3L/ N/PE,50/60Hz	220/380,230/400,3L/ N/PE,50/60Hz	220/380,230/400,3L/ N/PE,50/60Hz
Max. output current [A]	6,7	8,4	10,0	13,4
Rated apparent power [kVA]	4400	5500	6600	8800
Static converter model	Trio-Hybrid Pro 10.0K	Trio-Hybrid Pro 12.0K	Trio-Hybrid Pro 15.0K	--
Input (PV DC)				
MPP voltage range [V]	110-950	110-950	110-950	--
Max. input voltage [V]	1000	1000	1000	--
Max. input current per MPPT [A]	20/20/20	20/20/20	20/20/20	--
Input (DC battery)				
DC voltage [V]	130-800	130-800	130-800	--
Max. charge current [A]	30/30	30/30	30/30	--
Max. discharge current [A]	30/30	30/30	30/30	--
Output (AC)				
Rated AC voltage [V]	220/380,230/400,3L/ N/PE,50/60Hz	220/380,230/400,3L/ N/PE,50/60Hz	220/380,230/400,3L/ N/PE,50/60Hz	--
Max. output current [A]	16,7	20,0	25,0	--
Rated apparent power [kVA]	11000	13200	16500	--
Interface protection system and interface switch (Network and system protection "NS-protection")				
Type of protection	Integrated NS-protection			

Assigned to generation unit type	Trio-Hybrid Pro 4.0K, Trio-Hybrid Pro 5.0K, Trio-Hybrid Pro 6.0K, Trio-Hybrid Pro 8.0K, Trio-Hybrid Pro 10.0K, Trio-Hybrid Pro 12.0K, Trio-Hybrid Pro 15.0K
Integrated interface switch	Type of switching equipment 1: Relay (Model HF161F) Type of switching equipment 2: Relay (Model HF161F) Note: The output is switched off by the inverter bridge and two relay in series in each line and neutral.
Firmware version	MDSP 2.07 ARM 2.03
Note The settings of the interface protection are password protected adjustable. In case the above stated generators are used with an external protection device, the protection settings of the inverters are to be adjusted according to the manufacturer's declaration. The above stated generators are tested according to the requirements in the EN 50549-1:2019 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.	