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Certificate of compliance

Applicant: Zucchetti Centro Sistemi SpA
Via Lungarno 305/A 52028 Terranuova Bracciolini (AR)
Italy

Product: Photovoltaic inverter

Model: AZZURRO 3PH 15000TL-V3
AZZURRO 3PH 17000TL-V3
AZZURRO 3PH 20000TL-V3
AZZURRO 3PH 22000TL-V3
AZZURRO 3PH 24000TL-V3

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: PV2502WDG0016-1,
PV2502WDG0016-2

Certification Program:

NSOP-0032-DEU-ZE-V10

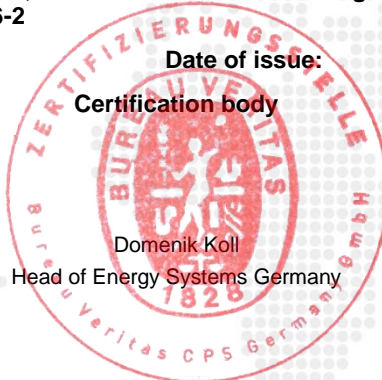
Certificate number: U25-0148

Date of issue:

2025-02-28

Certification body

Accreditation



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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Annex certificate of conformity No. U25-0148

Extract from test report PV2502WDG0016-1, PV2502WDG0016-2 issued by a testing laboratory accredited by "A2LA" according to ISO/IEC 17025. The accreditation is only valid for the scope listed in the annex of the accreditation certificate "2951.01".

Type Approval and declaration of compliance with the requirements of IEC 61727:2004, IEC 62116:2014				
Manufacturer	Zucchetti Centro Sistemi SpA Via Lungarno 305/A 52028 Terranuova Bracciolini (AR) Italy			
Product type	Photovoltaic inverter			
Static converter model	AZZURRO 3PH 15000TL-V3	AZZURRO 3PH 17000TL-V3	AZZURRO 3PH 20000TL-V3	AZZURRO 3PH 22000TL-V3
Input (PV DC)				
MPP voltage range [V]	140-1000	140-1000	140-1000	140-1000
Max. input voltage [V]	1100	1100	1100	1100
Max. input current per MPPT [A]	26,0/26,0	26,0/26,0	26,0/26,0	26,0/26,0
Output (AC)				
Rated AC voltage [V]	380/400, 3W+N+PE; 50/60Hz	380/400, 3W+N+PE; 50/60Hz	380/400, 3W+N+PE; 50/60Hz	380/400, 3W+N+PE; 50/60Hz
Max. output current [A]	23,9	27,1	31,9	35,1
Nom. converter output (P _{NINV}) [kW]	15,0	17,0	20,0	22,0
Max. apparent power [kVA]	16,5	18,7	22,0	24,2
Static converter model	AZZURRO 3PH 24000TL-V3	--	--	--
Input (PV DC)				
MPP voltage range [V]	140-1000	--	--	--
Max. input voltage [V]	1100	--	--	--
Max. input current per MPPT [A]	26,0/26,0	--	--	--
Output (AC)				
Rated AC voltage [V]	380/400, 3W+N+PE; 50/60Hz	--	--	--
Max. output current [A]	38,3	--	--	--
Nom. converter output (P _{NINV}) [kW]	24,0	--	--	--
Max. apparent power [kVA]	26,4	--	--	--
Interface protection system and interface switch (Network and system protection "NS-protection")				
Type of protection	Integrated NS-protection			
Assigned to generation unit type	AZZURRO 3PH 15000TL-V3 AZZURRO 3PH 17000TL-V3 AZZURRO 3PH 20000TL-V3 AZZURRO 3PH 22000TL-V3 AZZURRO 3PH 24000TL-V3			
Integrated interface switch	Type of switching equipment 1: Relay (Model HF161F-40W/12-HTF(967)) Type of switching equipment 2: Relay (Model HF161F-40W/12-HTF(967)) Note: The output is switched off by the inverter bridge and two relay in series in each line and neutral.			



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Firmware version	V010000
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.	