Certificate of compliance

Applicant:	**Zhejiang Chisage New Energy Technology Co., Ltd.** No. 1828,Fuqing South Road,Panhuo Street,Yinzhou District, Ningbo City, Zhejiang Province 315000 **China**
Product:	**Photovoltaic and battery inverter (Hybrid-Inverter)**
Model:	**Jup-10G2-LE** **Jup-8G2-LE** **Jup-6G2-LE** **Jup-5G2-LE**

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

Inverter for single-phase parallel connection to the public grid.

Applied rules and standards:

EN 50549-1:2019/A1:2023, NBN 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 point4.13 Requirements regarding single fault tolerance of interface protection system and interface switch

C10/11:2024-10
Specific technical prescription regarding power-generating plant operating in parallel to the distribution network

EN 50549-10:2022, NBN EN 50549-10:2022
Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units

Compliance with the parameters in Annex C of the standard
(see manufacturer's declaration)

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 plants.

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:	**CQDL-ESH-P24111381**	**Certification Program:**	**NSOP-0032-DEU-ZE-V10**
Certificate number:	**U25-0060**	**Date of issue:**	**2025-01-22**

Certification body

Domenik Koll
Head of Energy Systems Germany

Accreditation

DAkkS Deutsche Akkreditierungsstelle D-ZE-12024-01-00

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.

Without the written consent of Bureau Veritas Consumer Products Services Germany GmbH excerpts of this certificate of conformity shall not be reproduced.

Type Approval and declaration of compliance with the requirements of EN 50549-1 and Commission Regulation (EU) 2016/631 of 14 April 2016 and C10/11 for Belgium				
Manufacturer	**Zhejiang Chisage New Energy Technology Co., Ltd.** No. 1828,Fuqing South Road,Panhuo Street,Yinzhou District, Ningbo City, Zhejiang Province 315000 **China**			
Product type	Photovoltaic and battery inverter (Hybrid-Inverter)			
Static converter model	**Jup-5G2-LE**	**Jup-6G2-LE**	**Jup-8G2-LE**	**Jup-10G2-LE**
Input DC (photovoltaic)				
MPP voltage range [V]	150-425	150-425	150-425	150-425
Max. input voltage [V]	500	500	500	500
Max. input current per MPPT [A]	17+17	17+17	26+26	26+26
Output AC				
Rated AC voltage [V]	L/N/PE,230, 50Hz	L/N/PE,230, 50Hz	L/N/PE,230, 50Hz	L/N/PE,230, 50Hz
Rated output current [A]	21,7	26,1	33,0	43,5
Max. output current [A]	23,9	28,7	38,3	47,8
Nom. converter output (P_{NINV}) [W]	5000	6000	8000	10000
Max. apparent power [VA]	6000	7200	9600	12000

Interface protection system and interface switch (Network and system protection "NS-protection")	
Type of protection	Integrated NS-protection
Assigned to generation unit type	**Jup-10G2-LE** **Jup-8G2-LE** **Jup-6G2-LE** **Jup-5G2-LE**
Integrated interface switch	Type of switching equipment 1: Relay (Model AZSR250) Type of switching equipment 2: Relay (Model AZSR250)
	Note: The output is switched off by the inverter bridge and two relay in series in each line and neutral.
Firmware version	1.0

Note

The settings of the generators are password protected adjustable.

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.

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.