



**BUREAU
VERITAS**

Certificate of Conformity

Certificate No.: 2088AP0603N027009
Equipment: Grid-tied Photovoltaic Inverter
Brand Name:  **GOODWE**
YOUR SOLAR ENGINE
Test Model No.: GW4K-DT, GW5K-DT, GW6K-DT, GW8K-DT, GW10KT-DT,
GW12KT-DT, GW15KT-DT
Applicant: **JIANGSU GOODWE POWER SUPPLY TECHNOLOGY CO., LTD**
No.90 ZiJin Rd., New District, Suzhou,215011,China
Report No.: PV200603N027

Use in accordance with regulations:

Automatic disconnection device with three-phases mains surveillance in accordance with EN 50549-1:2019 for photovoltaic systems with a three-phases parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverter.

Applied rules and standards

EN 50549-1:2019

Requirements for generating plants to be connected in parallel with distribution networks - Part 1-1: Connection to a LV distribution network - Generating plants up to and including Type B

DIN V VDE V 0126-1-1:2006-02 (Functional safety)

Automatic disconnection device between a generator and the public low-voltage grid

The following settings for Estonian according to EN 50549-1:2019 were applied:

Under Voltage limit (Stage 1): 184,0V; Under Voltage limit (Stage 2): 115,0V;

Upper voltage limit (Stage 1): 264,5V, Upper voltage limit (Stage 2): 287,5V

Under frequency limit (Stage 1): 47,5Hz, Under frequency limit (Stage 2): 47,0Hz,

Upper frequency limit (Stage 1): 51,50Hz, Upper frequency limit (Stage 2): 52,00Hz

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.



Name: James Huang
Technical Manager/ New Energy Team
Date: 2020-11-10

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Information given in this document is related to the tested specimen of the described electrical sample.