



**BUREAU
VERITAS**

Certificate of Conformity

Certificate No.: 2088AP0917N006012
Product: Hybrid inverter
Brand Name: 
Test Model No.: HYD 3000-EP, HYD 3680-EP, HYD 4000-EP, HYD 4600-EP,
HYD 5000-EP, HYD 5500-EP, HYD 6000-EP
Applicant: Shenzhen SOFARSOLAR Co., Ltd.
401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community,
XinAn Street, BaoAn District, Shenzhen, China
Report No.: PVTR200917N016

Use in accordance with regulations:

Automatic disconnection device with single-phase mains surveillance in accordance with EN 50549-1:2019 for photovoltaic systems with a single-phase 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)

The following deviations for Portugal according to EN 50549-1:2019 were applied:

Under Voltage limit stage 1: 184,0V; Upper voltage limit stage 1: 264,5V,

Under Voltage limit stage 2: 115,0V; Upper voltage limit stage 2: 287,5V,

Under frequency limit stage 1: 47,5Hz, Upper frequency limit stage 1: 51,5Hz

Under frequency limit stage 2: 47,0Hz, Upper frequency limit stage 2: 52,0Hz

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: 2021-01-20

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