



**BUREAU  
VERITAS**

# Certificate of Conformity

**Certificate No.:** 2088AP0917N006015  
**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.:** PVGR200917N016

## 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 Greece 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: 2021-01-21**

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