



**BUREAU  
VERITAS**

# Certificate of Conformity

**Certificate No.:** 2088AP0917N006014  
**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.:** PVIR200917N016

## Use in accordance with regulations:

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

### EN 50438:2013

The following deviations for Ireland according to EN 50438:2013 were applied:

*Under Voltage limit: 207V; Upper voltage limit: 253V,*

*Under frequency limit: 48,0Hz, Upper frequency limit: 50,5Hz*

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**

This document shall not be reproduced, except in full, without the written approval of Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch.  
Information given in this document is related to the tested specimen of the described electrical sample.