Certificate of Conformity

Certificate No.:	2166AS08ASUE41413
Equipment:	**Grid-tied photovoltaic inverter**
Brand Name:	HUAYU
Test Model No.:	**HY-300-Plus, HY-500-Plus, HY-600-Plus, HY-800-Plus, HY-1000-Plus, HY-1200-Plus, HY-1300-Plus, HY-1600-Plus, HY-2000-Plus,**
Applicant:	Huayu(Ningbo)New Energy Technologies Co., Ltd. No.456 Xingning Road,Ningbo 315100, P.R.China
Report No.:	**ASUE-ESH-P20110587**

The submitted sample of the above equipment has been tested according to following standards:

Automatic disconnection device with single-phase mains surveillance in accordance with PN-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.

This verification does not imply assessment of the production of the product.

Applied rules and standards

EN 50549-1: 2019

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 point
4.12 Remote information exchange
4.13 Requirements regarding single fault tolerance of interface protection system and interface switch

EN 50438:2013,PN-EN 50438:2014

Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks

DIN V VDE V 0126-1-1:2006 (4.1 Functional Safety)

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

Denis Sun

Name: Denis sun
Product line Manager
Date: 2021-08-12