



Certificate of Conformity

Certificate No.: 2188AP020105009
Equipment: AC-Coupled Storage Inverter
Brand Name: 
Test Model No.: ME 5KTL-3PH, ME 6KTL-3PH, ME 8KTL-3PH,
ME 10KTL-3PH, ME 15KTL-3PH, ME 20KTL-3PH
Applicant: Shenzhen SOFARSOLAR Co., Ltd.
401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community,
XinAn Street, BaoAn District, Shenzhen, China
Report No.: PV2102WDG0105

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)

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

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

Under Voltage limit: 195,5V; Upper voltage limit (Stage 1): 255,3V, Upper voltage limit (Stage 2): 264,5V

Under frequency limit: 47,0Hz, Upper frequency limit: 51,00Hz

The generators ME 15KTL-3PH and ME 20KTL-3PH are rated > 16A per phase. However all requirements of the EN 50438:2013 are fulfilled.

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: 2021-03-31

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