



**BUREAU
VERITAS**

Certificate of conformity NS protection

Manufacturer / applicant: Hoymiles Converter Technology Co., Ltd.
No. 18 Kangjing Road, HangZhou,
Zhejiang Province
P.R. China

| | |
|------------------------------------|--------------------------------------------|
| Type of grid and plant protection: | integrated NS protection |
| Assigned to generation unit type: | MI-1000 MI-1000T MI-1200 MI-1200T |

Firmware version: V00.01.32

Connection rule: VDE-AR-N 4105:2011-08 – Power generation systems connected to the low-voltage distribution network
Technical minimum requirements for the connection to and parallel operation with low-voltage distribution networks.

Applicable standards / directives: DIN VDE V 0124-100 (VDE V 0124-100): 2012-07 – Grid integration of power generation systems – low voltage
Test requirements for power generation units to be connected and operated parallel with the low-voltage distribution networks

The above mentioned grid and plant protection has been tested and certified according to the test guideline VDE 0124-100. The electrical properties required in the connection rule are satisfied.

- Setting values and disconnect times
- Properly functioning functional chain "NS protection – interface switch"
- Technical requirements of the switching device
- Passive / active detection of stand-alone power systems
- Single-fault tolerance

The certificate contains the following information:

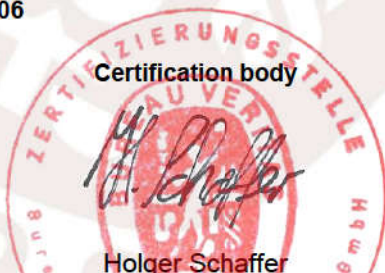
- Technical specifications of the NS protection and corresponding power generation types
- Setting values of the protection functions
- Trip values of the protection functions

BV project number: ZEM-18AP0895FCSH-1

Certificate number: U18-0501

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Certification body



Holger Schaffer

(A partial representation of the certificate requires the written permission of Bureau Veritas Consumer Products Services Germany GmbH)

Certification body of Bureau Veritas Consumer Products Services Germany GmbH
Accredited according to DIN EN ISO/IEC 17065



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