WindGuard Certification GmbH

Accredited according to DIN EN ISO/IEC 17065:2013

Oldenburger Straße 65, 26316 Varel, Germany



Nr.: ZG18027.01.01

Type Certificate for Generation Unit

Power-One Italy S.P.A. Manufacturer

Via S. Giorgio, 642; 52028 - Terranuova Bracciolini (AR), Italy

Quality management system: ISO 9001:2015

Description Type:

TRIO-20.0-TL-OUTD-400 & TRIO-27.6-TL-OUTD-400 families

Rated active / apparent power:

20.0 kW/22.3 kVA & 27.6 kW/30.7 kVA

Rated AC voltage / -frequency:

400 V/50 Hz

Software version: DSP-DC/DC: ≥A030; DSP-Inv.: ≥B045; µP: ≥C057

Topics of Assessment

Power quality

Active and reactive power regulation

Reactive power capacity Dynamic grid support Grid protection

Computer model validation

Guidelines

BDEW guideline "Generation Plant connected to the Medium-Voltage Network 2008"; /BDEW-MSR/ supplement of January 2013 /BDEW-MSR E2013/; /FGW TR8/ Rev. 05; /FGW TR4/ Rev. 05; /FGW TR3/ Rev. 21.

Basis for Assessment

Evaluation Report of the Grid Compliance for a Generating Unit ZG18027.02.01 Model validation report ZN11102.02.01

Declaration/ Validity

The experts of the certification body confirm with their signature that the listed generation units are capable of fulfilling the requirements according to the specified guidelines above, with the following exception:

The unit does not provide an extra test terminal.

The unit can be set to reactive current factor from k=0 to k=3

This certificate will accompany these generation units and is valid until 17.06.2023, assuming that no significant modifications at the generation units are performed and that the manufacturer's quality management system is current.

Akkreditierungsstelle D-ZE-17195-01-00

Varel, 18.06.2018



R. Klosse (Executive expert of certification body)

