

Preliminary prototype confirmation

Manufacturer / Applicant	REConvert BV Pascalbaan 2 3439MP, Nieuwegein The Netherlands
Product type	Grid-tied bidirectional battery converter
Model	InREC-36-HA-100 / InREC-36-HA-200
Specifications	Nominal apparent power 30 kVA Nominal active power 30 kW Nominal voltage 400 V Nominal frequency 50 Hz
Description	The InREC-36 is a transformer-less bidirectional DC/AC power converter, specifically designed as a battery converter for stationary battery energy storage applications. The InREC-36 is a multiple mode converter, with the capability to operate grid-connected in parallel with the distribution network and in stand-alone mode when the grid is disconnected. Together with the ACSA and suitable battery, the InREC-36 forms a system suitable for self-consumption optimization or peak shaving applications.
Standards	VDE-AR-N 4110:2023-09 Technical requirements for the connection and operation of customer installations to the medium voltage network (TAR medium voltage) FGW TG8 Rev. 9:2019-02 Certification of the Electrical Characteristics of Power Generating Units, Systems and Storage Systems as well as their Components on the Grid

This preliminary prototype certificate confirms that the above-mentioned PGUs are prototypes according to VDE-AR-N 4110 and FGW TG 8 Rev.9: The PGU are characterized by major technical developments or innovations (see Annex 1 and Annex 3).

It is also confirmed that the general ability of the PGU to fulfil the requirements of the VDE-AR-N 4110, based on manufacturer data of the electrical properties of the PGUs (see Annex 2). It is expected that in the scope of a certification the requirements of Annex A of the FGW TG8 will be fulfilled.

Restriction

A test terminal strip must be installed separately if necessary.

Commission of the first power generating unit prototype in Germany Date of commission not confirmed

Project number: 24TH0425

Certification program: NSOP-0032-DEU-ZE-V10

Confirmation number: U24-1092

Date of issue: 2024-11-07



Accredited certification body by Deutsche Akkreditierungsstelle GmbH (DAkks) according to ISO/IEC 17065. The accreditation is valid only for the scope listed in the annex of the accreditation certificate D-ZE-12024-01-00. The Deutsche Akkreditierungsstelle GmbH (DAkks) is signatory of the multilateral arrangements of EA, ILAC and IAF for mutual recognition.

Without the written consent of Bureau Veritas Consumer Products Services Germany GmbH excerpts of this certificate of conformity shall not be reproduced.