



CERTIFICATE OF TYPE TEST

Certificate – No.: **TA385213832**

Product: **Auxiliary Converter Module (with Integrated Battery Charger) and high voltage Box** Applicant: **Jahad Daneshghahi Elm Va Sanat (JDEVS)**
No. 190, Malekloo St., Haidarkhani St., Farjam Ave., Narmak, Tehran IRAN

Manufacturer: Same as Applicant

Type / Models / Trademark: ---

Description / Technical Specification:

- Output Power: 3 phase 105 KVA, 380 VAC
- Battery Charger: 12KW, 110 VDC, 15 A
- High voltage Box: 750VDC

Standard(s) / Product - Certification Basis: **EN 61287-1:2014 and EN 50207:2001**

Test Report: R-IR-21/001

Comments:

Hereby it is certified that type test has been performed for the above mentioned product, manufactured by **Jahad Daneshghahi Elm Va Sanat (JDEVS)**. Results of different tests listed in the attachment of this certificate shown that the product is in conformity with the requirements of reference standards.

According to the above stated test report the specified product complies with the applicable requirements of the mentioned standards.

This Certificate of Type Test has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an approved laboratory and the consequent review of the test report by TÜV AUSTRIA CERT GMBH. Therefore, it does not imply any assessment of the instruction manual, product or the production process of this product by TÜV AUSTRIA.

Issuance Date: **2021-11-21**

Validity: **Until any kind of change occurs in product specifications**


Dr. Kamran Rezaie, Certification representative

The validity of this certificate can be checked on the TÜV AUSTRIA's Homepage.

Any alteration or duplication of this document in parts is subject to approval by TÜV AUSTRIA CERT GMBH.

The holder of this document is advised that it does not reflect a Notified Body's opinion but that the information contained hereon reflects the certification body's findings on the date of issue and within the limits of the applicant's instructions, if any.



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Attachment to Certificate No. **TA385213832**

List of the conducted tests on the subject product manufactured by
Jahad Daneshghahi Elm Va Sanat (JDEVS):

Item Number	Test Description
1	Verification of dimensions and tolerances
2	Weighting
3	Cooling system performance test
4	Communication test
5	Acoustic noise measurement
6	Temperature rise test
7	Power loss determination
8	Supply overvoltage and transient energy test
9	Sudden variation of load
10	Short time supply interruption test
11	Voltage and frequency range verification
12	Starting and restarting test
13	Tests of mechanical and electrical protection and measuring equipment
14	Output characteristic test
15	Overload capability test
16	Safety requirement inspection
17	Step change of line voltage
