

OIML Member State
The Netherlands

Number R46/2006-A-NL1-21.13 revision 1
Project number 2512554
Page 1 of 3

Issuing authority NMI Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant Manufacturer Riyadh Factory for Panel Boards
P.O. Box 60454
Riyadh 11545
Saudi Arabia

Identification of the certified type An **Active electrical energy meter**
Type: AAA-M300

Characteristics See page 2 and further

This OIML Certificate is issued under scheme A

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 46-1/-2 (2012) "Active electrical energy meters"

Accuracy class B

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMI Certin B.V., OIML Issuing Authority NL1**
7 July 2023

Certification Board

The conformity was established by the results of tests and examinations provided in the associated reports:

- No. NMI-2512554-01a dated 9 March 2021 that includes 52 pages;
- No. NMI-2512554-02a dated 9 March 2021 that includes 13 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented.

Table 1 General characteristics

| General characteristics | |
|--|--|
| Meter type | static |
| Connection mode (phase, wires, elements) | 3p, 4w, 3e |
| Direction of energy flow / registers | Two-registers, bi-directional |
| Terminal arrangement | DIN |
| Protective class | Category 2 |
| Impulse voltage | 8 kV |
| Environmental application | |
| Ambient temperature range | -40 °C to +70 °C (3k7) – tested up to +75°C as a specific customer requirement |
| Humidity class | H1 |
| IP Rating / environmental use | IP54 / indoor |
| Meter quantities | |
| Nominal voltage (U_{nom}) | 3x133/230 V and 3x230/400 V |
| Nominal frequency (f_{nom}) | 60 Hz |
| Maximum current (I_{max}) | 100 A |
| Transitional current (I_{tr}) | 1 A ($I_b = 10$ A) |
| Minimum current (I_{min}) | 0,5 A |
| Starting current (I_{st}) | 0,04 A |
| Meter constant | 1.000 imp./kWh |
| Product version | |
| Hardware version | Main PCB: OKRW7.820.1376F Power PCB: OKRW7.820.1282C |
| Software identification | Checksum: 75DF01DD |



OIML Member State
The Netherlands

OIML Certificate

Number R46/2006-A-NL1-21.13 revision 1
Project number 2512554
Page 3 of 3

Certificate history:

This revision replaces the previous version.

| Revision | Date | Description of the modification |
|----------|------------|---------------------------------|
| Initial | 2021-03-09 | - |
| 1 | 2023-07-07 | Impulse voltage level included |