

OIML Member State
The Netherlands

Number R46/2012-A-NL1-22.01
Project number 2557963
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Issuing authority
Person responsible: NMi Certin B.V.
M.Ph.D. Schmidt

Manufacturer
Address
Country
Globaltronics
Lot 120, CPC Industrial Park, Northen extension area
12573/48, 6 October City, Giza
Egypt

Identification of the
certified type
An **active electrical energy meter**
Type: GE300-SS

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 is not permitted, although either may be reproduced in full.

Issuing Authority
NMi Certin B.V., OIML Issuing Authority NL1
8 March 2022

Certification Board

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

- No. NMI-2557963-01 dated 8 March 2022 that includes 56 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented. The construction of the measuring instrument is recorded in the Documentation folder no. R46-2012-A-NL1-22.01-1.

Table 1 General characteristics

| General characteristics | |
|--|--|
| Meter type | static |
| Connection mode (phase, wires, elements) | 3p, 4w, 3e |
| Direction of energy flow / registers | One-register, bi-directional. |
| Terminal arrangement | DIN |
| Protective class | Category 2 |
| Environmental application | |
| Ambient temperature range | -40 °C to +70°C and 75 °C (3k7) |
| Humidity class | H3 |
| IP Rating / environmental use | IP54 / outdoor |
| Meter quantities | |
| Nominal voltage (U_{nom}) | 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}) | 0,25 A |
| Starting current (I_{st}) | 0,04 A |
| Meter constant | 1.000 imp./kWh |
| Product version | |
| Hardware version | GE300-S_V1.0_03-2020 |
| Software identification | Version number: KSA_GE300-SS_V1.0-03-20_V1.0.0_04-2021 Checksum: 70B48E8B |