



# OIML Certificate

**OIML Member State**  
The Netherlands

Number R46/2012-A-NL1-25.01 revision 0  
Project number 3831870  
Page 1 of 3

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

**Manufacturer** M/S EnergyCare Company for Information Technology  
6481 Nahdat Al Jil – Ar Rwadah District.  
Prince Mohammed Bin Abdulaziz St. (Tahlia) -Unit.2  
Jeddah 23432  
Saudi Arabia

**Identification of the certified type** An **Active electrical energy meter**  
Type: NW34160A-R8.4

**Characteristics** See following page(s)

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**  
14 April 2025

**Certification Board**

NMI Certin B.V.  
Thijssseweg 11  
2629 JA Delft  
the Netherlands  
T +31 88 636 2332  
[certin@nmi.nl](mailto:certin@nmi.nl)  
[www.nmi.nl](http://www.nmi.nl)

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMI Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon at the top of the electronic version of this certificate.





**OIML Member State**  
The Netherlands

# OIML Certificate

Number R46/2012-A-NL1-25.01 revision 0  
Project number 3831870  
Page 2 of 3

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

- No. NMI-3831870-03 dated 14 April 2025 that includes 41 pages;
- No. NMI-3831870-04 dated 14 April 2025 that includes 15 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. NMI-CoC-25.08-1.

**Table 1 General characteristics**

General characteristics	
Meter type	Static
Connection mode (phase, wires, elements)	3p, 4w, 3e
Direction of energy flow / registers	bi-directional
Terminal arrangement	BS
Protective class	Category 2
Environmental application	
Ambient temperature range	-40 °C to +70 °C; tested up to +75°C as a specific customer requirement.
Humidity class	H1
IP Rating / environmental use	IP54 / Outdoor
Meter quantities	
Nominal voltage ( $U_{nom}$ )	3x133/230 V and 3x230/400 V
Nominal frequency ( $f_{nom}$ )	60 Hz
Maximum current ( $I_{max}$ )	160 A
Transitional current ( $I_{tr}$ )	2 A
Minimum current ( $I_{min}$ )	1 A
Starting current ( $I_{st}$ )	0,08 A
Meter constant	1.000 imp./kWh
Product version	
Hardware version	7.825.003355V3
Software identification	LY252-2024-07-10 Checksum: 0x423D361F



**OIML Member State**  
The Netherlands

# OIML Certificate

Number R46/2012-A-NL1-25.01 revision 0  
Project number 3831870  
Page 3 of 3

## Certificate history:

Revision	Date	Description of the modification
0	14-04-2025	Initial