

**OIML Member State**  
The Netherlands

Number R46/2012-A-NL1-24.06 revision 0  
Project number 3720479  
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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: NC34-R9.5

Characteristics See next page

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 C

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**  
23 May 2024

Certification Board

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

- No. NMI-3720479-01 dated 23 May 2024 that includes 115 pages;
- No. NMI-3720479-02 dated 23 May 2024 that includes 12 pages;
- No. NMI-3720479-03 dated 23 May 2024 that includes 62 pages;
- No. NMI-3720479-04 dated 23 May 2024 that includes 87 pages;
- No. NMI-3720479-05 dated 23 May 2024 that includes 16 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. T24.06-1.

**Table 1 General characteristics**

<b>General characteristics</b>	
Meter type	static
Connection mode (phase, wires, elements)	3p, 4w, 3e
Direction of energy flow / registers	bi-directional
Terminal arrangement	DIN
Protective class	Category 2
<b>Environmental application</b>	
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 / Indoor
<b>Meter quantities</b>	
Nominal voltage ( $U_{nom}$ )	3x133/230 V and 3x230/400 V
Nominal frequency ( $f_{nom}$ )	60 Hz
Maximum current ( $I_{max}$ )	6 A
Transitional current ( $I_{tr}$ )	0,15 A
Minimum current ( $I_{min}$ )	0,015 A
Starting current ( $I_{st}$ )	0,0015 A
Meter constant	10.000 imp./kWh
<b>Product version</b>	
Hardware version	7.825003429V2 7.825.003430V2.1
Software identification	LY3N2-2023-11-15



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## Certificate history:

Revision	Date	Description of the modification
0	23 May 2024	Initial issue