



# CERTIFICATE

## EC-Type examination certificate TIC 7001-13C

Manufacturer	: Shenzhen Kaifa Technology Co., Ltd.
Contact person	: Mr. Zhiqiang Xia
Address	: 7006 Caitian Road Futian District
Postal code, Place	: Shenzhen
Country	: China
Production site	: Shenzhen Kaifa Technology Co., Ltd.
Address	: 7006 Caitian Road Futian District
Postal code, Place	: Shenzhen
Country	: China
Instrument	: Electronic single-phase two-wire energy meter Direct connected
Mark - Type	: MA109
Register	: LCD
Accuracy Class	: 1 / B (Wh) / 2 (varh)
Measurement range	: 127 - 230 V 5(80) A 50 Hz 2000 imp./kWh
Temperature range	: -25..55 °C
Use	: Indoor
Protection Class	: II
Environmental class	: M1, E1
Registry method	: Bi-directional method separate registers: received- and delivered energy of the whole connection is added in separate registers

The energy meter meets the requirements of Directive 2004/22/EC of the European parliament and the council of 31 March 2004 on measuring instruments.

Certification was based on compliance with the following harmonised standards:

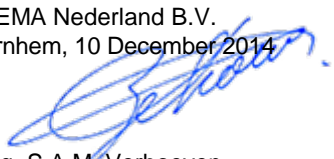
EN 50470-1 (2006)	: Electricity metering equipment (a.c.)-part 1: General requirements, tests and test conditions - Metering equipment (class indexes A, B and C)
EN 50470-3 (2006)	: Electricity metering equipment (a.c.)-part 3: Particular requirements - Static meters for active energy (class indexes A, B and C)

Valid until : 18 July 2023

Based on a non-recurrent examination.

Version 2 of this certificate. The results are recorded in the following annex: test report TIC 7060-14.

KEMA Nederland B.V.  
Arnhem, 10 December 2014

  
ing. S.A.M. Verhoeven  
Business Line Director Testing, Inspections & Certification  
Notified body number 2290