

EU-TYPE EXAMINATION CERTIFICATE

Certificate number	1427-17
Manufacturer	Shenzhen Kaifa Technology Co., Ltd.
Contact person	Mr. Zhiqiang Xia
Address	7006 Caitian Road Futian District
Postal code, City	Shenzhen
Country	China
Production site	Shenzhen Kaifa Technology Co., Ltd.
Address	7006 Caitian Road Futian District
Postal code, City	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 Active: 2000 imp./kWh; reactive: 2000 imp./kvarh
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 meters meet the requirements of Directive 2014/32/EU, on the harmonisation of the laws of Member States relating to the making available on the market of measuring instruments (recast).

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	6 September 2027

Based on a non-recurrent examination.

Version 1 of this certificate. The results are recorded in the following annex: test report 1426-17.

DNV GL Netherlands B.V.



J.P. Fonteijne
Executive Vice President
KEMA Laboratories



Arnhem, 6 September 2017

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