

## EU-TYPE EXAMINATION CERTIFICATE

---

Certificate number	1573-21
Manufacturer	Shenzhen Kaifa Technology (Chengdu) Co., Ltd.,
Contact person	Mrs. Sona Qin
Address	No. 99 Tianquan Rd., Hi-Tech Development Zone,
Postal code, City	611730, Chengdu, P.R.C.,
Country	China
Production site	Shenzhen Kaifa Technology (Chengdu) Co., Ltd.,
Address	No. 99 Tianquan Rd., Hi-Tech Development Zone,
Postal code, City	611730, Chengdu, P.R.C.,
Country	China
Instrument	Electronic single-phase two-wire energy meter. Direct connected
Mark - Type	MA109H
Register	LCD
Accuracy Class	Active: B; 2000 imp./kWh
Measurement range	230 V 0,25-5(60) A 50 Hz
Temperature range	-40 .. 70 °C
Use	Indoor
Protection Class	II
Environmental class	M1, M2, E1 and E2
Registry method	Programmable, 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	September 26, 2032

Based on a non-recurrent examination.

Revision 2 of this certificate. The results are recorded in the following annex: test report 1672-22 R0.

Issued by KEMA B.V.



Alessandro Bertani  
Director,  
Services & Smart Technologies

Arnhem, September 26, 2022

---