

## EU-TYPE EXAMINATION CERTIFICATE

Certificate number	1580-20 R0
Manufacturer	Qingdao iTechene Technologies Co. Ltd
Contact person	Mr. Wenlong Lu
Address	8th Floor, Tower A, International Innovation Park, No.1 Keyuan Weiyi Road,
Postal code, City	Laoshan District, Qingdao,
	266100 Shandong,
Country	China
Production site	Qingdao iTechene Technologies Co. Ltd
Address	No.1 Chuangxin Rd. Hi-tech Industrial Zone, Jimo, Qingdao,
Postal code, City	266216 Shandong,
Country	China
Instrument	Electronic three-phase four-wire energy meter Direct connected
Mark - Type	TC23
Register	LCD
Accuracy Class	Active: B
Measurement range	230/400 V 0,5 -10 (100) A 50 and 60 Hz active: 1000 imp./kWh
Temperature range	-40 .. 75 °C
Use	Indoor, not sensitive to phase sequence
Protection Class	II
Environmental class	M1, M2, E1 and E2
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 21 December 2030

Based on a non-recurrent examination.

Version 1 of this certificate. The results are recorded in the following annex: test report 1579-20 R0.

KEMA B.V.



Bas Verhoeven  
Director, High-Voltage  
Laboratory

Arnhem, 21 December 2020