



CERTIFICATE OF CONFORMITY

Certificate No SKM 9954/1

DQS Hellas grants the present certificate to the enterprise:

CICERO HELLAS S.A.
9, Sygrou Avenue, 11743 Athens

for the product:

Flat plate Solar Collector type:
M4-200, M4-210, M4-260, M4-260H, M4-300, M4-300H

which is produced in conformity with the normative document:

EN 12975-1:2011
EN 12975-2:2006

at the following location:

Kyra Vrissi Korinthias
P.O.Box.25, Korinthos



The present certificate is granted in accordance with:

the DQS Hellas General Rules for the Certification of Products,
the Specific Rule for Certification ΕΚΠΠ.001 «Specific Rule for Certification
of Solar Collectors, and Thermal Solar Heating Systems for Domestic Hot
Water»,

and is ruled by the terms of the relevant contract between DQS Hellas and the
enterprise.

Date of issue: 2022-05-30

Date of valid: 2025-05-30

Panagiotis Giannoutsos
Director of Certification

Dr. Emmanuel Deliyannakis
Managing Director



Products Certification
Accreditation No 735

Accredited Body: 4, Kalavriton Street, 14564 Kifisia - Athens, Greece

TKΠΠ-08 – 15/12/2014



CERTIFICATION LICENCE TO USE KEYMARK

Certificate No SKM 9954/1

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CICERO HELLAS S.A.

for the product:

**Flat plate Solar Collector type:
M4-200, M4-210, M4-260, M4-260H, M4-300, M4-300H**

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at the following location:

**Kyra Vrissi Korinthias
P.O.Box.25, Korinthos**



The present certificate is granted in accordance with:

- *the DQS Hellas General Rules for the Certification of Products,*
- *the Specific Rule for Certification EKIII.001 «Specific Rule for Certification of Solar Collectors, and Thermal Solar Heating Systems for Domestic Hot Water»,*
- *the Specific CEN Keymark Scheme Rules for Solar Thermal Products,*

and is ruled by the terms of the relevant contract between DQS Hellas and the enterprise.

Date of issue: 2022-05-30

Date of valid: 2025-05-30

Panagiotis Giannoutsos
Director of Certification

Dr. Emmanuel Deliyannakis
Managing Director



Annual collector output based on EN 12975 Test Results, annex to Solar KEYMARK Certificate	Licence Number	SKM 9954/1
	Issued	4/12/2014

Annual collector output kWh/module														
Collector name	Location and collector temperature (T _m)													
	Athens			Davos			Stockholm			Würzburg				
	25°C	50°C	75°C	25°C	50°C	75°C	25°C	50°C	75°C	25°C	50°C	75°C		
M4-200	1,738	1,104	631	1,231	761	415	957	575	316	1,016	591	319		
M4-210	1,821	1,157	662	1,290	797	435	1,003	602	331	1,065	619	334		
M4-260	2,267	1,440	824	1,606	993	541	1,249	750	412	1,326	771	416		
M4-260H	2,267	1,440	824	1,606	993	541	1,249	750	412	1,326	771	416		
M4-300	2,630	1,670	956	1,862	1,151	628	1,449	870	478	1,538	894	483		
M4-300H	2,630	1,670	956	1,862	1,151	628	1,449	870	478	1,538	894	483		

Collector mounting: Fixed or tracking Fixed; slope = latitude - 15° (rounded to nearest 5°)

Overview of locations				
Location	Latitude °	G _{tot} kWh/m ²	T _a °C	Collector orientation or tracking mode
Athens	38	1,765	18.5	South, 25°
Davos	47	1,714	3.2	South, 30°
Stockholm	59	1,166	7.5	South, 45°
Würzburg	50	1,244	9.0	South, 35°

G _{tot}	Annual total irradiation on collector plane	kWh/m ²
T _a	Mean annual ambient air temperature	°C
T _m	Constant collector operating temperature (mean of in- and outlet temperatures)	°C

The calculation of the annual collector performance is performed with the official Solar Keymark spreadsheet tool ScenoCalc. The collector output is calculated hour by hour according to the efficiency parameters from the Keymark test using constant collector operating temperature (T_m). A detailed description of the calculations is available at <http://www.sp.se/en/index/services/solar/ScenoCalc/Sidor/default.aspx>.

CERTIFICATION BODY FOOTER address etc.	Datasheet version:
	4.06, 2014-01-15
	ScenoCalc version:
	Ver. 4.06 (Jan, 2014)