



# CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality  
hereby attests that the product(s)

## Solar Collector

(Details as per the attached Scope of Certification)

manufactured by:

**SONNE AKTION LTD**

**39 Chalkidikis st, Metamorfosi 14451, Greece**

have been assessed in accordance with DCLD Document Ref. No. DM-DCLD-RD-DP21-2001 (IC) "General Rules for DM third party product certification system through factory assessment" and the relevant Specific Rules, and were found in conformity with the standard specification:

**BS EN 12975-1:2006 +A1: 2010**

Accordingly, DCLD hereby authorizes the above manufacturer  
to affix the DCL Product Conformity Mark on the above-mentioned product(s).

ENG. MAJED AL SHAMSI

Certification and Quality Control of Products Section's Acting Manager  
Dubai Central Laboratory Department-Dubai Municipality



Certificate No: CL23020854  
Valid Until: 10/10/2025



Current Issue Date: 11/10/2024  
Original Issue Date: 11/10/2023



The attached Scope of Certification bearing the same Certificate Number forms an integral part of this Certificate.  
This Certificate is an electronic document subject to the Terms and Conditions of the Product Certification System and shall not be reproduced except in full.

## DUBAI CENTRAL LABORATORY DEPARTMENT DCLD-CQPS PRODUCT CONFORMITY CERTIFICATION SCHEME

### SCOPE OF CERTIFICATION FOR CERTIFICATE NO. CL23020854

<b>Certificate Issued To:</b>	<b>SONNE AKTION LTD</b> 39 Chalkidikis st, Metamorfoosi 14451, Greece
<b>Applicable Standard Specification:</b>	BS EN 12975-1:2006 +A1: 2010 – Thermal solar systems and components – Solar Collectors – Part 1: General requirements
<b>Applicable Specific Rules:</b>	DM-DCLD-RD-DP21-2178 (IC)- Certification of Solar Collectors as per BS EN 12975-1: 2006 A1: 2010

S/N	Product Description	Brand Name	Product Details
1	<b>FLAT PLATE SOLAR COLLECTORS</b> <b>ATLAS FAMILY</b>  Absorber material: Aluminum strips (selective coating) with 0.4 mm thickness Harp shape copper with risers 8 mm diameter each, headers 22 mm diameter  Insulation material: 30 mm thickness Glass wool back insulation material density $d = 20 \text{ KG/M}^3$ Thermal Conductivity of $0.041 \text{ W/m}^\circ\text{K}$ @ $10^\circ\text{C}$ mean temperature  Frame Structure: Aluminum frame material with a thickness of 1.5mm and 0.5 mm thickness of the back cover	SONNE AKTION  ATLAS CA 150	Collector dimensions: 1000x1500x75 mm Gross Area: $1.50 \text{ m}^2$ Aperture Area: $1.43 \text{ m}^2$ Absorber Area: $1.40 \text{ m}^2$ Empty Collector Weight: 22 kg Fluid Volume: 1.2 liters
		SONNE AKTION  ATLAS CA 160	Collector dimensions: 1020x1570x75 mm Gross Area: $1.60 \text{ m}^2$ Aperture Area: $1.55 \text{ m}^2$ Absorber Area: $1.48 \text{ m}^2$ Empty Collector Weight: 27 kg Fluid Volume: 1.3 liters

**DUBAI CENTRAL LABORATORY DEPARTMENT  
DCLD-CQPS PRODUCT CONFORMITY CERTIFICATION SCHEME**

**SCOPE OF CERTIFICATION  
FOR CERTIFICATE NO. CL23020854**

		SONNE AKTION ATLAS CA 200	Collector dimensions: 970x1970x75 mm Gross Area: 1.90 m <sup>2</sup> Aperture Area: 1.80 m <sup>2</sup> Absorber Area: 1.76 m <sup>2</sup> Empty Collector Weight: 30 kg Fluid Volume: 1.4 liters
	Sealing materials: Silicone  Maximum stagnation temperature: 163° C  Maximum operating pressure: 10 bar	SONNE AKTION ATLAS CA 230	Collector dimensions: 1170x1970x75 mm Gross Area: 2.30 m <sup>2</sup> Aperture Area: 2.19 m <sup>2</sup> Absorber Area: 2.16 m <sup>2</sup> Empty Collector Weight: 34 kg Fluid Volume: 1.7 liters
		SONNE AKTION ATLAS CA 250	Collector dimensions: 1280x1970x75 mm Gross Area: 2.52 m <sup>2</sup> Aperture Area: 2.43 m <sup>2</sup> Absorber Area: 2.41 m <sup>2</sup> Empty Collector Weight: 40 kg Fluid Volume: 2.3 liters

NOTE 1: This document forms an integral part of the Certificate of Product Conformity bearing the same certificate number.  
NOTE 2: The above product shall bear the DCLD Conformity Mark.  
NOTE 3: As applicable, other properties in the product standard specification which were excluded in the specific rules as approved by the certification body authorized personnel are to be verified by the end user of the product (if needed).

Original Issue Date : 11 October 2023  
Current Issue Date : 11 October 2024  
Valid Until : 10 October 2025



**ENG. MAJED AL SHAMSI**

**CERTIFICATION AND QUALITY CONTROL OF PRODUCTS SECTION'S ACTING MANAGER**