

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:

JIANGSU JINTA NEW ENERGY TECHNOLOGY CO. LTD.

No.1-1 Xiayao Bridge, Changjing Town, Jiangyin City, China

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).



for / ENGR. AMIN AHMED AMIN
Director, Dubai Central Laboratory Department
Dubai Municipality



الإمارات العربية المتحدة
Emirates International Accreditation Centre
CB-003-PRD

Certificate No: CL18020578
Valid Until: 14/04/2021



Current Issue Date: 15/04/2020
Original Issue Date: 15/04/2018

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
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL18020578

Certificate Issued To:	JIANGSU JINTA NEW ENERGY TECHNOLOGY CO., LTD. No. 1-1 Xiayao Bridge, Changjing Town, Jiangyin City, China.
Applicable Standard Specification:	BS EN 12975-1:2006 +A1: 2010 – Thermal solar systems and components – Solar Collectors – Part 1: General requirements
Applicable Specific Rules:	DM-DCLD-RD-DP21-2178 (IC) – Specific Rules Certification of Solar Collectors as per BS EN 12975-1 Through Factory Assessment DM-DCLD-RD-DP21-2084 (IC) – Guidelines for Factory Production control Plan for Solar Collector Manufacturers

SN	Product Description	Brand Name	Product Details
1	Dimensions(LxWxH)* 1993 x 893 x 185mm Aperture Area 0.94 m ² Gross Area 1.78 m ² Gross Dry Weight 41 KG Fluid Capacity 0.59 L Flow Rate 60L/h Max Operating Pressure 600 kPa /6 bar Stagnation temperature 230°C 1000 W/m ² &30°C	Green Sun Power JT-58/1800-10	<u>EVACUATED TUBE SOLAR COLLECTOR</u> <u>Evacuated Tube</u> Material: Borosilicate 3.3 Tube style: Twin wall all glass Dimensions: ϕ 58 mm outer tube; ϕ 47 mm inner tube; 1.8 m length, 1.6 mm outer tube wall thickness Absorber Material: Selective coating Absorptance: >94% ; Emittance: <8% Vacuum: $P < 5 \times 10^{-3}$ Pa; <u>Heat Pipe</u> Material: copper External Diameter of pipe: 8mm External Diameter of condenser:14mm Operating Angle: 20-80° Anti-freezing: -30 °C <u>Heat Transfer Fin</u> Material: High purity Aluminum
2	Dimensions(LxWxH)* 1993 x 1293 x 185mm Aperture Area 1.41 m ² Gross Area 2.58 m ² Gross Dry Weight 55 KG Fluid Capacity 0.89 L Flow Rate 90L/h Max Operating Pressure 600 kPa /6 bar Stagnation temperature 230°C @1000 W/m ² &30°C	Green Sun Power JT-58/1800-15	
3	Dimensions(LxWxH) * 1993 x 1693 x 185mm Aperture Area 1.88 m ² Gross Area 3.37 m ² Gross Dry Weight 69 kg Fluid Capacity 1.2L Flow Rate 120L/h	Green Sun Power JT-58/1800-20	

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	Max Operating Pressure 600 kPa / 6 bar Stagnation temperature 230°C 1000 W/m ² &30°C		Thickness: 0.15 mm Manifold Header Material: copper Header Diameter: 35mm Connection Diameter: 22mm Casing: Aluminum with PVDF coating Insulation: Rock Wool Insulation Thickness: 50mm Sealing: EPDM Flow Pattern: Parallel
4	Dimensions(LxWxH) * 1993 x 2093 x 185mm Aperture Area 2.35 m ² Gross Area 4.17 m ² Gross Dry Weight 87 kg Fluid Capacity 1.5L Flow Rate 150L/h Max Operating Pressure 600 kPa / 6 bar Stagnation temperature 230°C 1000 W/m ² &30°C	Green Sun Power JT-58/1800-25	Mounting Frame Material: Aluminum Alloy Bolts and Nuts: Stainless Steel
5	Dimensions(LxWxH) * 1993 x 2492 x 185mm Aperture Area 2.81 m ² Gross Area 4.97 m ² Gross Dry Weight 105.4 kg Fluid Capacity 1.8L Flow Rate 180 L/h Max Operating Pressure 600 kPa / 6 bar Stagnation temperature 230°C 1000 W/m ² &30°C	Green Sun Power JT-58/1800-30	Feet Holder Material: Plastic

NOTE1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

NOTE2: The above product shall bear the DCL Conformity Mark.

Original Issue Date : 15 April 2018

Current Issue Date : 15 April 2020

Valid Until : 14 April 2021



ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager
Dubai Central Laboratory Department