

# 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



Certificate No: CL18020578  
Valid Until: 14/04/2020



Current Issue Date: 15/04/2019  
Original Issue Date: 15/04/2018

The attached Scope of Certification bearing the same Certificate Number forms an integral part of this Certificate.  
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**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:** RD-DP21-2178 (IC) – Specific Rules Certification of Solar Collectors as per BS EN 12975-1 Through Factory Assessment  
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 <sup>2</sup> Gross Area 1.78 m <sup>2</sup> 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 <sup>2</sup> &30°C	Green Sun Power JT-58/1800-10	<b><u>EVACUATED TUBE SOLAR COLLECTOR</u></b> <b><u>Evacuated Tube</u></b> 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
2	Dimensions(LxWxH)* 1993 x 1293 x 185mm Aperture Area 1.41 m <sup>2</sup> Gross Area 2.58 m <sup>2</sup> 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 <sup>2</sup> &30°C	Green Sun Power JT-58/1800-15	Absorber Material: Selective coating Absorptance: >94% ; Emittance: <8% Vacuum: P<5x10 <sup>-3</sup> Pa; <b><u>Heat Pipe</u></b> Material: copper External Diameter of pipe: 8mm External Diameter of condenser:14mm
3	Dimensions(LxWxH) * 1993 x 1693 x 185mm Aperture Area 1.88 m <sup>2</sup> Gross Area 3.37 m <sup>2</sup> Gross Dry Weight 69 kg Fluid Capacity 1.2L Flow Rate 120L/h Max Operating Pressure 600 kPa / 6 bar Stagnation temperature 230°C 1000 W/m <sup>2</sup> &30°C	Green Sun Power JT-58/1800-20	Operating Angle: 20-80° Anti-freezing: -30 °C <b><u>Heat Transfer Fin</u></b> Material: High purity Aluminum Thickness: 0.15 mm <b><u>Manifold</u></b>



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4	Dimensions(LxWxH) * 1993 x 2093 x 185mm Aperture Area 2.35 m <sup>2</sup> Gross Area 4.17 m <sup>2</sup> 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 <sup>2</sup> &30°C	<b>Green Sun Power JT-58/1800-25</b>	Header Material: copper Header Diameter: 35mm Connection Diameter: 22mm Casing: Aluminum with PVDF coating Insulation: Rock Wool Insulation Thickness: 50mm Sealing: EPDM
5	Dimensions(LxWxH) * 1993 x 2492 x 185mm Aperture Area 2.81 m <sup>2</sup> Gross Area 4.97 m <sup>2</sup> 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 <sup>2</sup> &30°C	<b>Green Sun Power JT-58/1800-30</b>	Flow Pattern: Parallel <b>Mounting Frame</b> Material: Aluminum Alloy Bolts and Nuts: Stainless Steel <b>Feet Holder</b> 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 2019

Valid Until : 14 April 2020

ARIF HUSAIN AL MARZOOQI  
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Dubai Central Laboratory Department