



Test Certificate No. 7113218749

1. Below Details of order:

The test was order by: **DUALSUN SAS**

Address: **2 rue Marc Donadille 13013 Marseille FRANCE**

Date of order: **07.07.2021**

The sample was taken by a representative of the customer

2. Test of:

Photovoltaic module

Model : **DSTNxxxG1-360SBB5**

Manufacturer : **DualSun**

Country of manufacture : **FRANCE**

Module type : **Mono-crystalline**

Num. of cells in module : **360**

Overall dimensions : **1646 mm X 1140 mm X 35 mm**

3. Description of sample:

Date of Sampling : **06.06.2021**

Sampling By : **Customer**

Number of Sampling : **1**

4. Nature of Test:

Compliance of the model with the requirements of the International Standards:

IEC 61730 - Photovoltaic (PV) module safety qualification

Part 1: clauses 3,4,5,6,7,8,9,10,11,12

Part 2: clauses 3,6,9,10,11

SI 61215 - Crystalline silicon terrestrial photovoltaic (PV) modules :

clause 10.17 (Hail test) Design qualification and type approval.

5. Conclusion:

The module complies with the requirements of the clauses to which they were tested.

Notes: This example is representative for sample modules: DSTNxxxG1-360SBB5

(XXX = 370-400), IEC1500V.

Test report Lab.: **Kiwa Cermet Italia S.p.A** Test Report No.: **L0003438/A rev.00 (PKC0003438/A)**

Test report Lab.: **TUV NORD** Test Report No.: **492010913.020**

**This document alone is not
used to release goods from
customs.**

**This report refers only to the
sample tested and does not refer to
other samples of the same product.**

**This document contains 6
pages, and may be used
only in full.**

Matthew Skif

Laboratory Technician

מחלקת מכונות
מכונות חשמל
מכונות חשמל
מכונות חשמל

06/09/2021

Test Completion Date: 06.09.2021

6.3.18 , א' 32.7.707

42 Chaim Levanon St. Tel-Aviv 69977 Israel www.sii.org.il

Tel: 972-3-6465250 Fax: 972-3-6427654 Hydraulics Tel: 972-2-6465150/176 Fax: 972-3-6465007

**Tests Results:****Standard IEC 617301 Part 1**

No.	Subject	Results and details of nonconformance	Verdict
3	Application classes		P
4	Construction requirements		P
5	Polymeric material		P
6	Internal wiring and current – carrying parts		P
7	Connections		P
8	Bonding and grounding		P
9	Creepage and clearance distances		P
10	Field wiring compartments with covers		P
11	Marking		P
12	Requirements for supplied documents		P

Test Completion Date: 06.09.2021

90777.32 מ"מ דור"א, 18.3.6



Standard IEC 617301 Part 2

No.	Subject and details of nonconformance		Results	Verdict
6	Sampling			P
9	Pass criteria			P
10				P
	Test procedures	+ Tested in practice	MST 01	P
			MST 11	P
			MST 12	P
		Double insulation	MST 13	P
			MST 14	P
			MST 15	P
		Tested in practice >100 MΩ, 8 kV DC	MST 16	P
			MST 17	P
			MST 21	P
			MST 23	P
			MST 26	P
			MST 32	P
11				P
	Component tests		MST 15	P
			MST 33	P
			MST 44	P

Standard IEC 61215

4.1	Hail test	This paragraph is tested in accordance with the method defined in UL Standard 1703 .	P
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מסמט 32.7.707 מהדורה א', 6.3.18



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Appendix 1

Photo Documentation



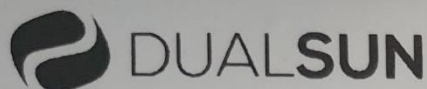
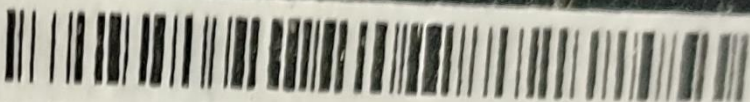
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Test Certificate No. 7113218749

BS5HMPM20907000819



DSTN375G1-360SBB5

Electrical Data

Rated power STC (Pmax)	375 W
Range of rated power (ΔP)	+/- 3%
Rated voltage STC (Vmpp)	40,4 V
Open-circuit voltage (Voc)	48,9 V
Rated current STC (Impp)	9,28 A
Short-circuit current (Isc)	9,89 A
Max. syst. voltage IEC (Vmax)	1500 V
Bypass diode (I diode)	20 A
Application class	A
Fire class	Class II

Thermal Data

Gross area of the collector	1,876 m ²
Maximal operating pressure	1,5 bar
Collector Dimensions	1646 x 1140 x 35 mm
Stagnation temperature (at 1000 W/m ² , 30°C)	70 °C
Volume of heat transfer fluid	5,0L
Heat transfer fluid	Glycol based water Chlorinated water* *drainback system required
Weight of empty collector	26,3 kg
Production year	2020



WARNING ELECTRICAL HAZARD

This module produces electricity when exposed to light.
Follow all applicable electrical safety precautions.

ATTENTION DANGER ELECTRIQUE

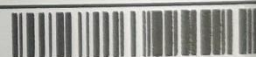
Ce module produit de l'électricité en l'exposant à la lumière.
Suivez toutes les précautions de sécurité électrique applicable.

The electrical characteristics are within ± 3 percent of the indicated values under Standard Test Conditions (STC : Irradiance=1000W, AM=1.5, Temp =25°C)

Tested to IEC 61215-2: 2016
and IEC 61730-1:2016

DualSun SAS

2 rue Marc Donadille, CS 80001,
13453 Marseille Cedex 13, FRANCE
www.dualsun.com



201102380



190204003 - Absorber DualSun Spring 60C 920x1456mm

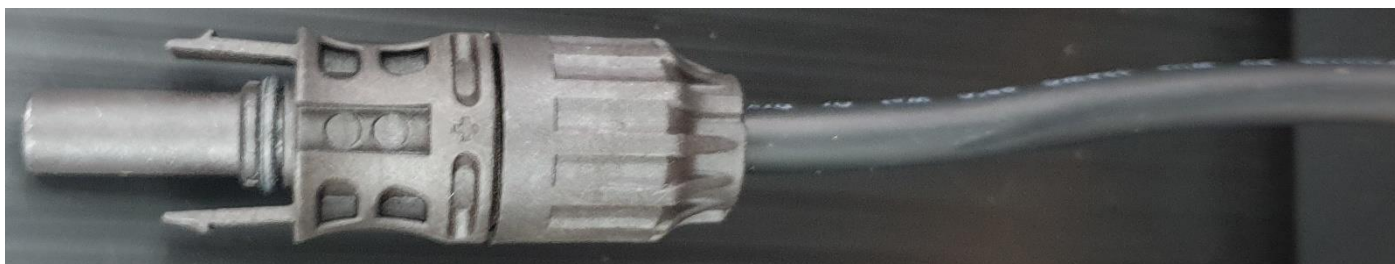
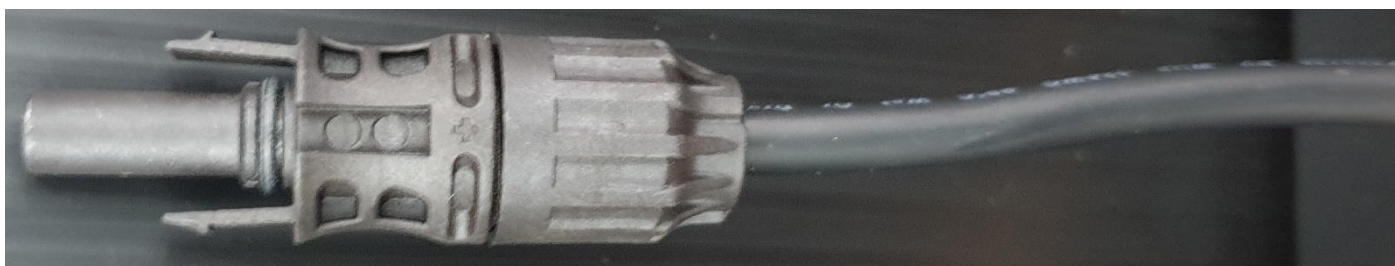


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