



Test Certificate No. 7313202276

1. **Below Details of order:**

The test was order by: **DUALSUN SAS**  
Address: **2 rue Marc Donadille 13013 Marseille FRANCE**  
Date of order: **25.01.2023**  
The sample was taken by a representative of the customer

2. **Test of:**

Photovoltaic module  
Model : **DSXXXM12-B320SBB7**  
Manufacturer : CONFIDENTIAL  
Country of manufacture : **CHINA**  
Module type : **Mono-crystalline**  
Num. of cells in module : **320**  
Overall dimensions : **1899 mm X 1096 mm X 30 mm**

3. **Description of sample:**

Date of Sampling : **12.12.2022**  
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: **DSXXXM12-B320SBB7**  
(XXX = 420-440), IEC1500V.

Test report Lab.: TUV NORD Test Report No.: 492011558.001,002,003 492010913.029,037

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 טעיף, המסאי בודק  
ענף מערכות אנרגיה  
המשרד ספקיות המדיניות  
מכון התקנים הישראלי

07/03/2023

Test Completion Date: 07.03.2023

פרומט 32.7.707 מהדורה א', 6.3.18



Test Certificate No. 7313202276

**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: 07.03.2023

פורמט 32.7.707 מהדורה א' / 6.3.18



Test Certificate No. 7313202276

**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
-----	-----------	--	---

Test Completion Date: 07.03.2023

פדומט 32.7.707 מהדורה א' / 6.3.18