



TC- 6168



Page 1 of 2

**SUMMARY OF TEST REPORT No.4790145732-BIS-N1 dated (mm/dd/yyyy): 03/16/2022**  
**ULR No. TC616822100000192F**  
**(Number of pages in test report: Page no.1 to 55 of original report 4789149612-BIS-S1)**  
**TEST FORMAT AS PER IS 14286: 2010**

<b>1. Name of manufacturer:</b>	SHANTI SOLAR		
<b>2. Product:</b>	Photovoltaic (PV) Modules		
<b>3. Models:</b>	<p><b>Representative Model</b>  <b>SS330P (72 cell family)</b> (From original report reference no. 4789149612-BIS-S1 dated(mm/dd/yyyy): 12/20/2019 and 4789385208-BIS-N1 dated (mm/dd/yyyy): 09/30/2020 and 4789896968-BIS-N1 dated (mm/dd/yyyy): 10/29/2021 by UL India Pvt Ltd)</p> <p>Refer original report reference no. 4789149612-BIS-S1 dated(mm/dd/yyyy): 12/20/2019 and 4789385208-BIS-N1 dated (mm/dd/yyyy): 09/30/2020 and 4789896968-BIS-N1 dated (mm/dd/yyyy): 10/29/2021 by UL India Pvt Ltd for complete Model details.</p> <p><b>New Series models added under this report:</b>  <b>66 Cell Series:</b>  SS320W, SS315W, SS310W, SS305W, SS300W, SS295W, SS290W</p>		
<b>4. Model differences provided</b>	YES		
<b>5. Model differences verified as per MNRE Guidelines for series formulation</b>	YES		
<b>6. Test Results:</b>	Refer original report reference no. 4789149612-BIS-S1 dated(mm/dd/yyyy): 12/20/2019 and 4789385208-BIS-N1 dated (mm/dd/yyyy): 09/30/2020 and 4789896968-BIS-N1 dated (mm/dd/yyyy): 10/29/2021 by UL India Pvt Ltd		
<b>SL. No.</b>	<b>TEST REQUIREMENTS</b>	<b>CLAUSE</b>	<b>VERDICT</b>
1	Marking	4	P
2	Visual Inspection	10.1	N/A
3	Maximum Power Determination	10.2	N/A
4	Insulation Test	10.3	N/A
5	Measurement of Temperature Coefficients.	10.4	N/A
6	Measurement of NOCT	10.5	N/A
7	Performance at STC and NOCT	10.6	N/A
8	Performance at low irradiance.	10.7	N/A
9	Outdoor exposure test	10.8	N/A
10	Hot-spot endurance test	10.9	N/A
11	UV preconditioning	10.10	N/A
12	Thermal cycling test	10.11	N/A
13	Humidity freeze test	10.12	N/A



TC- 6168



Page 2 of 2

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14	Damp heat test	10.13	N/A
15	Robustness of termination test	10.14	N/A
16	Wet leakage current test	10.15	N/A
17	Mechanical load test	10.16	N/A
18	Hail test	10.17	N/A
19	Bypass diode thermal test	10.18	N/A

**General Information:**

1. The conformity certificates of critical components are verified to ensure complete testing of apparatus under test and details regarding harmonized IEC/UL standards (where IS standards are not available) are also provided in the list of critical component.

**CONCLUSION:**

- 1) Sample meets all relevant requirements of IS 14286 : 2010 (First Revision): Yes
- 2) ~~Sample fails to meet the following test requirements:~~

I, hereby, undertake that the verdict stated in the test reports for all the tests matches with the test results. The sample meets all relevant requirements of IS 14286: 2010 (First Revision)/~~does not meet the requirements stated above at 2) of conclusion.~~ If any deviation is found, suitable punitive action may be taken by BIS.

**Date(mm/dd/yyyy): 03/16/2022**

Moumita  
Debnath  
**(Signature of Authorized person)**

Digitally signed by Moumita  
Debnath  
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