



TC- 6168



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SUMMARY OF TEST REPORTS NO. 4789896968-BIS-N1 DATED(mm/dd/yyyy): 10/29/2021  
ULR No: TC616821100000860F(Number of pages in test report: Page no. 1 to 81)  
**TEST FORMAT AS PER IS 14286 : 2010 (First Revision)**

1. Name of manufacturer:	SHANTI SOLAR
2. Product:	Photovoltaic (PV) Module(s)
3. Models:	<p><b>Representative Model from original report reference no. 4789149612-BIS-S1 dated(mm/dd/yyyy) 12/20/2019</b> SS330P (72 cell family)</p> <p><b>Series Models from the Primary Report</b> SS325P, SS320P, SS315P, SS310P, SS305P, SS300P (72 Full Cell) SS275P, SS270P, SS265P, SS260P, SS255P, SS250P (60 Full Cell) SS245P, SS240P, SS235P, SS230P, SS225P (54 Full Cell) SS220P, SS215P, SS210P, SS205P, SS200P (48 Full Cell) SS165P, SS160P, SS155P, SS150P ( 36 Full Cell) SS135P, SS130P, SS125P, SS120P, SS115P, SS110P, SS105P, SS100P, SS95P, SS90P, SS85P, SS80P, SS75P, SS70P, SS65P, SS60P, SS55P, SS50P, SS45P, SS40P, SS37P, SS30P, SS25P ( 36 Cut Cell) SS250PC (72 Cut Cell)</p> <p><b>New series Models under this Report</b> SS335P, SS340P, SS345P, SS350P</p>
4. Model differences provided	YES
5. Model differences verified as per MNRE Guidelines for series formulation	YES
6. Test Results:	For all clauses and test results, Refer to 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

SL	TEST REQUIREMENTS	CLAUSE	VERDICT
1	Marking	4	P
2	Visual Inspection	10.1	P
3	Maximum Power Determination	10.2	P
4	Insulation Test	10.3	P
5	Measurement of Temperature Coefficients.	10.4	NA
6	Measurement of NOCT	10.5	NA
7	Performance at STC and NOCT	10.6	NA
8	Performance at low irradiance.	10.7	NA
9	Outdoor exposure test	10.8	NA
10	Hot-spot endurance test	10.9	P
11	UV preconditioning	10.10	NA



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12	Thermal cycling test	10.11	P
13	Humidity freeze test	10.12	P
14	Damp heat test	10.13	P
15	Robustness of termination test	10.14	P
16	Wet leakage current test	10.15	P
17	Mechanical load test	10.16	P
18	Hail test	10.17	NA
19	Bypass diode thermal test	10.18	P

**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): 10/29/2021

**Moumita** Digitally signed by  
**Debnath** Moumita Debnath  
Date: 2021.10.29  
18:56:46 +05'30'

(Signature of Authorized person)