



TC-6168



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SUMMARY OF TEST REPORT No. 4789896968-BIS-N3, DATED(mm/dd/yyyy): 10/29/2021

ULR No. TC616821100000862F

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TEST FORMAT AS PER IS/IEC 61730-2:2004 +A1:2017

1. Name of manufacturer:	SHANTI SOLAR		
2. Product:	Photovoltaic (PV) Module(s)		
3. Model:	<p>Representative Model from original report reference no. 4789149612-BIS-S3 dated(mm/dd/yyyy) 12/20/2019 SS330P (72 cell family)</p> <p>Series Models from the Primary Report 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>New series Models under this Report SS335P, SS340P, SS345P, SS350P</p>		
4. Model differences provided (if applicable): Yes/No	YES		
5. Model differences verified as per MNRE Guidelines for series formulation: Yes/No	YES		
6. Test Results: For all clauses and test results, Refer to original report reference no. 4789149612-BIS-S3 dated(mm/dd/yyyy) 12/20/2019 and 4789385208-BIS-N3 DATED (mm/dd/yyyy): 09/30/2020			
SL. NO.	TEST REQUIREMENTS	CLAUSE	VERDICT
1	MST 01 – Visual inspection	10.1	P
2	MST 11 – Accessibility test	10.2	P
3	MST 12 – Cut susceptibility test	10.3	N/A
4	MST 13 – Ground continuity test	10.4	P
5	MST 14 – Impulse voltage test	10.5	N/A
6	MST 16 – Dielectric withstand test	10.6	P
7	MST 21 – Temperature test	10.7	P
8	MST 23 – Fire test	10.8	N/A
9	MST 26 – Reverse current overload Test	10.9	P
10	MST 32 – Module breakage test	10.10	N/A
11	MST 17 – Wet leakage current test	MST 17	P
12	MST 22 – Hot-spot test	MST 22	P
13	MST 34 – Mechanical load test	MST 34	N/A
14	MST 51a – Thermal cycling test (TC200)	MST 51a	N/A
15	MST 51b – Thermal cycling test (TC50)	MST 51b	N/A
16	MST 52 – Humidity freeze test	MST 52	N/A
17	MST 53 – Damp heat test	MST 53	P
18	MST 54 – UV preconditioning test:	MST 54	N/A

UL India Private Limited

Registered Office: Kalyani Platina - Block I, 3rd Floor
No. 24, EPIP Zone, Phase II, Whitefield, Bangalore - 560066, India
T: 91.80.4138.4400 / F: 91.80.2841.3759 / W: ul.com
CIN: U74200KA1997PTC023189

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19	MST 42-Robustness of Termination Test	10.14	N/A
20	MST 25- Bypass diode thermal test	10.18	N/A
21	Maximum Power Determination	10.2	P
22	MST 16 - Dielectric withstand test Prior to Bypass diode thermal test	10.6	P
	Component tests	-	-
23	Partial discharge test	Refer to original report reference no. 4789149612-BIS-S3 dated(mm/dd/yyyy) 12/20/2019	N/A
24	Conduit bending test	MST 33	N/A
25	Terminal box knockout test	MST 44	N/A

General Information:

1. The conformity certificates of critical components are verified to ensure complete testing of product 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/IEC 61730-2:2004 +A1:2017: 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/IEC 61730-2:2004 + A1:2017, ~~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

Digitally signed by
Moumita Debnath
Date: 2021.10.29
19:01:00 +05'30'

(Signature of Authorized person)