



HI PHYSIX
testing & calibration laboratory

HI PHYSIX LABORATORY INDIA PVT. LTD.

B-32/1/2, MIDC, Ranjangaon, Pune, Maharashtra

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Phone : 02138 - 232901, 232902, 232903

CIN - U74120DL2009PTC194754

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SUMMARY OF TEST REPORT

TEST REPORT NO: HPLI/Test/2306027801/02

DATE: 06/11/2023

(Total Number of Pages in Test Report: 31)

TEST FORMAT AS PER IS/IEC 61730-1:2004 (First Edition) + A1:2017 + A2:2017

1. Name of the Manufacturer: Novasys Greenergy Private Limited

2. Product: Crystalline silicon terrestrial photovoltaic (PV) modules.

3. Model: NOVA550MP144 (Representative model & Tested Model-BOM1 & BOM2)

144 Half-cut Cell: NOVA545MP144, NOVA540MP144, NOVA535MP144, NOVA530MP144, NOVA525MP144, NOVA520MP144, NOVA515MP144, NOVA510MP144, NOVA505MP144, NOVA500MP144, NOVA495MP144 (Series models)

132 Half-cut Cell: NOVA505MP132, NOVA500MP132, NOVA495MP132, NOVA490MP132, NOVA485MP132, NOVA480MP132, NOVA475MP132, NOVA470MP132, NOVA465MP132, NOVA460MP132, NOVA455MP132 (Series models)

120 Half-cut Cell: NOVA460MP120, NOVA455MP120, NOVA450MP120, NOVA445MP120, NOVA440MP120, NOVA435MP120, NOVA430MP120, NOVA425MP120, NOVA420MP120, NOVA415MP120 (Series models)

108 Half-cut Cell: NOVA415MP108, NOVA410MP108, NOVA405MP108, NOVA400MP108, NOVA395MP108, NOVA390MP108, NOVA385MP108, NOVA380MP108, NOVA375MP108 (Series models)

96 Half-cut Cell: NOVA365MP96, NOVA360MP96, NOVA355MP96, NOVA350MP96, NOVA345MP96, NOVA340MP96, NOVA335MP96, NOVA330MP96, NOVA325MP96 (Series models).

72 Half-cut Cell: NOVA275MP72, NOVA270MP72, NOVA265MP72, NOVA260MP72, NOVA255MP72, NOVA250MP72, NOVA245MP72 (Series models).

4. Model differences provided (if applicable): Yes

5. Model differences verified as per MNRE Guidelines for series approval: Yes

6. Test Results:

SL. NO.	TEST REQUIREMENT	CLAUSE	VERDICT
1	Application Classes	3	P
2	Construction Requirements	4	P
3	Polymeric Materials	5	P
4	Internal Wiring And Current-Carrying Parts	6	P





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5	Connections	7	P
6	Bonding And Grounding	8	P
7	Creepage and clearance distances	9	P
8	Field Wiring Compartments With Covers	10	P
9	Marking	11	P
10	Requirements for supplied documents	12	P

General Information:

1. The conformity certificates of components/parts wherever applicable are verified to ensure complete testing of products under test and details regarding harmonized IEC standards (where IEC standards are not available) are also provided in the list of components/parts (description of module construction) wherever applicable.

CONCLUSION:

1. Sample meets all relevant requirements of IS/IEC61730-1:2004 (First Edition) + A1:2017 + A2:2017
2. Sample-fails-to-meet-the-following-test-requirements-

I, hereby undertake that the verdict stated in the test reports for all the test matches with the test results. The sample meets/~~does not meet~~ all relevant requirements stated above of IS/IEC61730-1:2004 (First Edition) + A1:2017 + A2:2017.

Remark: This summary issued along with test report no. HPLI/Test/2306027801/02 dated 06/11/2023 on the basis of earlier tested vide main test report No. 4790378653.1.1-BIS-S2 dated 30/08/2023 issued by UL India Pvt. Ltd., Bangalore & test report No. MCIND/2023/LB/050.V1 dated 02/08/2023 issued by Mitsui Chemicals India Private Limited.



HI PHYSIX LABORATORY INDIA PVT. LTD.

DATE: 06/11/2023

(Signature of Authorized person with Stamp)








TC-5100

TEST REPORT IS/IEC 61730-1:2004+A1:2017+A2:2017 PV Module Safety Qualification Part 1: Requirements for construction	
ULR-TC510023000001576F	
Discipline.....:	Electronics Testing
Group.....:	Miscellaneous Products
Report Number.....:	HPLI/Test/2306027801/02
Date of issue.....:	06/11/2023
Total number of pages.....:	31
	
Applicant's name.....:	Novasys Greenergy Private Limited
Address.....:	KHASRA NO. 185, MOUZA: MAHALGAON, TAHSIL- KAMPTEE, NAGPUR-441202, MAHARASHTRA, INDIA
Test specification:	
Standard.....:	IS/IEC 61730-1:2004 (First Edition) + A1:2017 + A2:2017
Test procedure.....:	Compliance Report
Non-standard test method.....:	N/A
Test Report Form No.....:	IS/IEC61730-1_V1.0
Test Report Form(s) Originator.....:	BIS
Master TRF.....:	Dated 19.02.2018
Test item description.....:	Crystalline silicon terrestrial photovoltaic (PV) modules.
Trade Mark.....:	
Manufacturer.....:	Novasys Greenergy Private Limited
Address.....:	KHASRA NO. 185, MOUZA: MAHALGAON, TAHSIL- KAMPTEE, NAGPUR-441202, MAHARASHTRA, INDIA
Model/Type reference.....:	NOVA550MP144 (Representative model & Tested Model-BOM1 & BOM2)
Ratings.....:	See copy of marking plate

FOR HI PHYSIX LABORATORY INDIA PVT. LTD.


Ashutosh Pathak
(Chief Technical Manager)



Testing procedure and testing location:		
<input checked="" type="checkbox"/> Testing Laboratory:	Hi Physix Laboratory India Private Limited	
Testing location/address.....:	B-32/1/2, M.I.D.C., Ranjangaon, Pune, Maharashtra-412220	
Tested by (name, function, signature).....	Heeralal Mahto (Testing Engineer)	
Checked by (name + signature):	Santosh Kumar (Deputy Technical Manager)	
Approved by (name, function, signature).	Ashutosh Pathak (Chief Technical Manager)	 Ashutosh Pathak (Chief Technical Manager)
Issued by (name, function, Signature).....:	K. K. Jayaswal (Chief Quality Manager)	 



List of Attachments (including a total number of pages in each attachment):	
Summary of testing: Tests performed (name of test and test clause): Model: BOM 1 Retest: NOVA550MP144 is tested due to change in bill of material (refer page no 13 to 15) following tests are performed as per MNRE Guidelines. BOM 2 Retest: NOVA550MP144 is tested due to change in bill of material (refer page no 13 to 15) following tests are performed as per MNRE Guidelines.	
Tests performed (name of test and test clause): N/A	Testing location: Hi Physix Laboratory India Private Limited B-32/1/2, M.I.D.C., Ranjangaon, Pune, Maharashtra-412220
<input checked="" type="checkbox"/> The product fulfils the requirements of IS/IEC 61730-1:2004 (First Edition) + A1:2017 + A2:2017	
For complete clauses and test results, please referred original test report no. 4790378653.1.1-BIS-S3 dated 30/08/2023 issued by UL India Pvt. Ltd., Bangalore.	