



TC- 6168



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SUMMARY OF TEST REPORT No: 4790378653.1.1-BIS-S2 DATED (mm/dd/yyyy): 08/30/2022

ULR No: TC61682210000548F

(Number of pages in test report: Page no. 01 to 87)

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

1. Name of manufacturer:	Novasys Greenergy Private Limited
2. Product:	Crystalline Silicon Photovoltaic (PV) Modules
3. Model:	<p><u>Mono Crystalline (PERC):</u> <u>NOVA550MP144 (Representative Model)</u></p> <p><u>Series Models:</u> <u>144 Half-cut Cell Family- 182mm Cell (1500V</u> <u>System voltage):</u> NOVA545MP144, NOVA540MP144, NOVA535MP144, NOVA530MP144, NOVA525MP144, NOVA520MP144, NOVA515MP144, NOVA510MP144, NOVA505MP144, NOVA500MP144, NOVA495MP144</p> <p><u>132 Half-cut Cell Family- 182mm Cell (1500V</u> <u>System voltage):</u> NOVA505MP132, NOVA500MP132, NOVA495MP132, NOVA490MP132, NOVA485MP132, NOVA480MP132, NOVA475MP132, NOVA470MP132, NOVA465MP132, NOVA460MP132, NOVA455MP132</p> <p><u>120 Half-cut Cell Family- 182mm Cell (1500V</u> <u>System voltage):</u> NOVA460MP120, NOVA455MP120, NOVA450MP120, NOVA445MP120, NOVA440MP120, NOVA435MP120, NOVA430MP120, NOVA425MP120, NOVA420MP120, NOVA415MP120</p> <p><u>108 Half-cut Cell Family- 182mm Cell (1500V</u> <u>System voltage):</u> NOVA415MP108, NOVA410MP108, NOVA405MP108, NOVA400MP108, NOVA395MP108, NOVA390MP108, NOVA385MP108, NOVA380MP108, NOVA375MP108</p> <p><u>96 Half-cut Cell Family- 182mm Cell (1500V</u> <u>System voltage):</u> NOVA365MP96, NOVA360MP96, NOVA355MP96, NOVA350MP96, NOVA345MP96, NOVA340MP96, NOVA335MP96, NOVA330MP96, NOVA325MP96</p> <p><u>72 Half-cut Cell Family- 182mm Cell (1500V</u> <u>System voltage):</u> NOVA275MP72, NOVA270MP72, NOVA265MP72, NOVA260MP72, NOVA255MP72, NOVA250MP72, NOVA245MP72</p>

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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:			
SL. NO.	TEST REQUIREMENTS	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
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 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 61730-1:2004 + A1:2017 + A2:2017: 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 61730-1: 2004 + A1:2017 + A2:2017: ~~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): 08/30/2022

(Signature of Authorized person)

Test Report issued under the responsibility of:

TEST REPORT IS/IEC 61730-1:2004+ A1:2017+A2:2017 PV Module Safety Qualification Part 1: Requirements for construction	
Report Number.:	4790378653.1.1-BIS-S2
ULR No.:	TC61682210000548F
Test Request No.:	SC22SPI00369
Bar code	106354CRS
Encoded Sample code.....:	22EDF8EN
Date of issue.....(mm/dd/yyyy):	08/30/2022
Total number of pages.....	87
Testing Laboratory	UL India Pvt. Ltd.
Address	Laboratory Building, Kalyani Platina Campus, Survey. No. 129/4, EPIP Zone, Phase II, Whitefield, IN-560066, Bangalore, India
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	IS/IEC 61730-1:2004 (First Edition) + A1:2017+A2:2017
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	Photovoltaic (PV) Module(s)
Trade Mark	
Manufacturer	Novasys Greenergy Pvt Ltd.
Address	KHASRA NO. 185, MOUZA-MAHALGAON, TAHSIL-KAMPTTEE, NAGPUR MAHARASHTRA 441202
Model/Type reference	<p><u>Mono Crystalline (PERC):</u></p> <p>NOVA550MP144 (Representative Model)</p> <p><u>Series Models:</u></p> <p><u>144 Half-cut Cell Family- 182mm Cell (1500V System voltage):</u> NOVA545MP144, NOVA540MP144, NOVA535MP144, NOVA530MP144, NOVA525MP144, NOVA520MP144, NOVA515MP144, NOVA510MP144, NOVA505MP144, NOVA500MP144, NOVA495MP144</p> <p><u>132 Half-cut Cell Family- 182mm Cell (1500V System voltage):</u> NOVA505MP132, NOVA500MP132, NOVA495MP132, NOVA490MP132, NOVA485MP132, NOVA480MP132, NOVA475MP132, NOVA470MP132, NOVA465MP132, NOVA460MP132, NOVA455MP132</p> <p><u>120 Half-cut Cell Family- 182mm Cell (1500V System voltage):</u> NOVA460MP120, NOVA455MP120, NOVA450MP120, NOVA445MP120, NOVA440MP120, NOVA435MP120, NOVA430MP120, NOVA425MP120, NOVA420MP120, NOVA415MP120</p> <p><u>108 Half-cut Cell Family- 182mm Cell (1500V System voltage):</u> NOVA415MP108, NOVA410MP108, NOVA405MP108, NOVA400MP108, NOVA395MP108, NOVA390MP108, NOVA385MP108, NOVA380MP108, NOVA375MP108</p> <p><u>96 Half-cut Cell Family- 182mm Cell (1500V System voltage):</u> NOVA365MP96, NOVA360MP96, NOVA355MP96, NOVA350MP96, NOVA345MP96, NOVA340MP96, NOVA335MP96, NOVA330MP96, NOVA325MP96</p> <p><u>72 Half-cut Cell Family- 182mm Cell (1500V System voltage):</u> NOVA275MP72, NOVA270MP72, NOVA265MP72, NOVA260MP72, NOVA255MP72, NOVA250MP72, NOVA245MP72</p>
Ratings	<p>Maximum System Voltage= 1500V</p> <p>Maximum Series Fuse rating= 25A</p> <p>For specific electrical ratings Refer to Annex 3</p>

Testing procedure and testing location:		
<input checked="" type="checkbox"/>	Testing Laboratory:	
Testing location/address.....:		UL India Pvt. Ltd. Laboratory Building, Kalyani Platina Campus, Survey. No. 129/4, EPIP Zone, Phase II, Whitefield, IN-560066, Bangalore, India
Tested by (name + signature)		Viswanathan K
Approved by (name + signature).....:		Srimathy N
Issued by (name + signature)		Supratik Ghosh