



HI PHYSIX
testing & calibration laboratory

HI PHYSIX LABORATORY INDIA PVT. LTD.

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

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TEST REPORT

TEST REPORT AS PER IEC 61215-2: 2016

SRF No. 22050099

<div>Name & Contact Information of Customer:</div> <div>Raajratna Ventures Limited</div> <div>SURVEY NO. 69/2, AHMEDABAD-MEHSANA HIGHWAY, OPP. MADHU MILL, VILLAGE: CHANDARDA, TAL: KADI, DIST: MEHSANA, GUJRAT, India-382715 Contact Person: Pritesh Patel Contact No.:7567993166</div>	<div>ULR-TC510022000000449F</div> <div>Discipline: Electronics Testing</div> <div>Group: Miscellaneous Products</div> <div>Test Report No: HPLI/Test/2205009904</div> <div>Date of issue: 01/06/2022</div> <div>Testing Performed at: At Lab.</div>		
	<div>Customer Ref. & Date : 16/05/2022</div>		
	<div>Date of Sample Receipt: 16/05/2022</div>	<div>Start of Test Date: 24/05/2022</div>	<div>End of Test Date: 24/05/2022</div>

PART A - PARTICULARS OF THE SAMPLE SUBMITTED

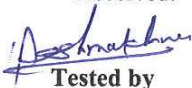
Sample description	Crystalline silicon terrestrial photovoltaic (PV) modules
Grade/ variety/ type/ class/ size etc.	Maximum Power (P mp): 550Wp, Voltage at Maximum Power (V mp): 42.55V, Current at Maximum Power (I mp): 12.93A, Open Circuit Voltage (V oc): 49.82V, Short circuit current (I sc): 13.51A, Maximum system voltage: 1500 VDC, Series Fuse Rating: 25A, Module Weight: 28KG
Declared values, if any	Electrical Rating at STC:- Pmax: 550 Wp, Vm: 42.55 V, Voc: 49.82 V, Im:12.93 A, Isc: 13.51 A, System Voltage: 1500V
Code no., BIS seal and IO's sign. if any	Nil
Batch no., date of manufacture and Brand name	 Trademark: "RAAJ", MODEL NO: R550M
Quantity	01 Nos.
Condition of the sample	OK
Reference specification (s)	IEC 61215-2:2016 (Tests have been carried out as per customer's request)
Environmental conditions	Temperature (25±4)°C & Relative humidity<65%
Statement of Conformity	Not required by customer
Decision Rule	N/A

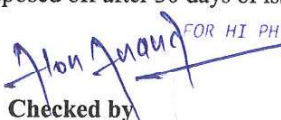
PART B - SUPPLEMENTARY INFORMATION

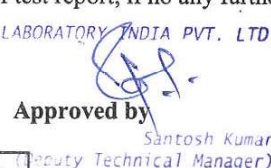
- Deviations from the test methods as per relevant specification/ work instructions, if any: Nil.
- Details of the drawings, graphs, tables, sketches or photographs as referred in the test report, if any: Graph and photographs attached.
- Testing procedure according to work instruction HPLI03/Test-Solar/WI-191.
- The Management System is maintained in accordance with IS/ISO/IEC 17025:2017 and testing Standards/Instruments are traceable to National/ International Standards.

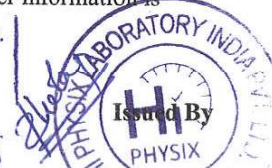
- Notes:
- This report is not to be reproduced wholly or in part without our special permission in writing.
 - This report refers only to the particular sample detailed above.
 - The results reported in this certificate are valid at the time of and under the stipulated conditions of measurement.
 - Remnants of the sample will be disposed off after 30 days of issue of test report, if no any further information is

Received.


Tested by


Checked by


Approved by
Santosh Kumar
(Deputy Technical Manager)



Format No. HPLI 04 F31-00

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PART C- TEST RESULT

ULR-TC510022000000449F

TEST REPORT NO.: HPLI/Test/2205009904

IEC 61215-2: 2016

S. No.	TESTS WITH CLAUSE REFERENCE	SPECIFIED REQUIREMENTS	RESULTS
1.	Performance at STC (Cl. 4.6 of IEC 61215-2 : 2016)	Testing of performance at STC	See appended table 1.

1		TABLE: Performance at STC					
Test Date [DD/MM/YYYY].....:		24/05/2022					
Module temperature [°C]..... :		01:25.7°C					
Irradiance (W/m2) :		1000					
Sample ID:	Sample serial Number	Voc (V)	Vmp (V)	Isc (A)	Imp (A)	Pmp (W)	FF (%)
01	220401302128	50.153	43.103	13.44	12.79	551.287	81.78
Supplementary information: Temperature corrected at 25°C and Irradiance corrected at 1000W/m ²							


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