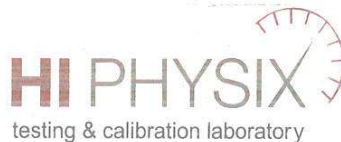




TC-5100

**HI PHYSIX LABORATORY INDIA PVT. LTD.**

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

info@hiphysix.com, infohplindia@gmail.com



Phone : 02138 - 232901, 232902, 232903

CIN - U74120DL2009PTC194754

Mobile 1 : +91 7768005400

Mobile 2 : +91 7768005411

Mobile 3 : +91 7768005422

TEST REPORT IEC TS 62804-1: 2015 Photovoltaic (PV) modules- Test methods for the detection of potential-induced degradation	
ULR-TC510022000000777F Discipline: Electronics Testing Group: Miscellaneous Products	
Report Number.....: Date of Issue Total no. of pages.....:	HPLI/Test/2205009701 30/08/2022 25
Manufacturer's Name.....: Address.....:	Raajratna Ventures Ltd. Survey No. 69/2, Ahmedabad Mehsana Highway, Opp. Madhu Mill, Village Chandarda, Tal: Kadi, Dist: Mehsana, Gujarat, INDIA-382715 Contact Person: Pritesh Patel Contact No: 7567993166
Name of test laboratory.....: Address of laboratory.....:	HI PHYSIX LABORATORY INDIA PVT. LTD. B-32/1/2, MIDC, RANJANGAON, PUNE, MAHARASHTRA – 412220.
Test Specification Standard.....: Test Procedure Non- Standard Test Method.....:	IEC TS 62804 - 1:2015 Compliance Report N/A
Test Report Form No.....: Test Report Form(s) Originator.....: Test Report Form	IEC TS 62804-1: 2015/HPLI_PV Hi Physix Laboratory India Pvt. Ltd., Pune Dated 02-2019
Test item Description Trade Mark.....:	Crystalline silicon terrestrial photovoltaic (PV) modules. 

FOR HI PHYSIX LABORATORY INDIA PVT. LTD.


Ashutosh Pathak
(Chief Technical Manager)

www.hiphysix.com

Registered office : B-9/51, Sector 18, Rohini, Delhi- 110089



TC-5100



testing & calibration laboratory

HI PHYSIX LABORATORY INDIA PVT. LTD.

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

info@hiphysix.com, infohplindia@gmail.com

Phone : 02138 - 232901, 232902, 232903

CIN - U74120DL2009PTC194754

Mobile 1 : +91 7768005400

Mobile 2 : +91 7768005411

Mobile 3 : +91 7768005422

ULR-TC510022000000777F

Page 2 of 25

Test Report No.: HPLI/Test/2205009701

Model / Type reference	R550M (Representative Model). 144 Cells: R545M, R540M, R535M, R530M, R525M, R520M, R515M, R510M. (Series models) 132 Cells: R505M132, R500M132, R495M132, R490M132, R485M132, R480M132, R475M132, R470M132, R465M132. (Series models) 120 Cells: R460M120, R455M120, R450M120, R445M120, R440M120, R435M120, R430M120, R425M120, R420M120. (Series models) 108 Cells: R415M108, R410M108, R405M108, R400M108, R395M108, R390M108, R385M108, R380M108, R375M108. (Series models) 96 Cells: R365M96, R360M96, R355M96, R350M96, R345M96, R340M96, R335M96, R330M96. (Series models) 72 Cells: R275M72, R270M72, R265M72, R260M72, R255M72, R250M72, R245M72. (Series models) 144 Cells: R450M, R445M, R440M, R435M, R430M, R425M, R420M. (Series models)
Ratings.....:	See copy of marking plate on page no. 5
Remark:	Test performed on only Model No. R550M (Representative Model) , all series models are included in this test report declared by manufacturer.

FOR HI PHYSIX LABORATORY INDIA PVT. LTD.


Ashutosh Pathak
(Chief Technical Manager)



TC-5100

HI PHYSIX
testing & calibration laboratory

HI PHYSIX LABORATORY INDIA PVT. LTD.

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

info@hiphysix.com, infohplindia@gmail.com

Phone : 02138 - 232901, 232902, - 232903

CIN - U74120DL2009PTC194754

Mobile 1 : +91 7768005400





Mobile 2 : +91 7768005411

Mobile 3 : +91 7768005422

ULR-TC510022000000776F

Page 3 of 22

Test Report No.: HPLI/Test/2207028001

Testing procedure and testing location:		
<input checked="" type="checkbox"/> Testing Laboratory:		
Testing location/ address	Hi Physix Laboratory India Private Limited B-32/1/2 M.I.D.C, Ranjangaon Pune, Maharashtra -412220.	
Tested by (name + signature).....:	Heeralal Mahto (Testing Engineer)	
Approved by (name + signature) .:	Ashutosh Pathak (Chief Technical Manager)	 FOR HI PHYSIX LABORATORY INDIA PVT. LTD. Ashutosh Pathak (Chief Technical Manager)
Issued by (name, function, Signature).....:	(Priyanka Gholap/ (Dy.Quality Manager)	 



TC-5100

ULR-TC510022000000777F

Page 4 of 25

Test Report No.: HPLI/Test/2205009701

Summary of testing:	
Tests performed (name of test and test clause): IEC TS 62804-1: 2015 (Single Polarity-Negative, Three Cycles)	Testing location: Hi Physix Laboratory India Private Limited. B-32/1/2 M.I.D.C, Ranjangaon Pune Maharashtra - 412220.
Preconditioning	
10.2 Visual Inspection (Initial and Final)	
10.2 Maximum power determination (Initial and Final)	
10.15 Wet leakage current test (Initial and Final)	
MST 13 Ground continuity test (Initial)	
PID stress test according to IEC TS 62804-1:2015 with following severities <ul style="list-style-type: none">- Climatic conditions: 85°C and 85% RH- Duration: 288 hours – 3 Cycles of 96 hours each	

FOR HI PHYSIX LABORATORY INDIA PVT. LTD.


Ashutosh Pathak
(Chief Technical Manager)