



Our Ref: REGISTRATION/CRS 2021-6244/R-71018015

Date:29-04-2026

Inclusion Id: 103912

Subject :Inclusion of Additional Model(s)

MANUFACTURING UNIT :	Rishabh Instruments Limited F-31, MIDC, SATPUR, NASHIK Maharashtra,India-422007 mohit.lokhande@rishabh.co.in 9960893145	
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Dear Sir,

1. This has reference to your request for inclusion of models of "**Utility-Interconnected Photovoltaic Inverters**" as per **IS 16169: 2019/IEC 62116: 2014,IS 16221 (Part 2) : 2015 / IEC 62109-2 : 2011,IS 17980: 2022/ IEC 62891:2020 in Licence No. R-71018015** already granted to you which is valid upto 09-11-2030.
2. It is intimated that the additional Models as per details given below have been agreed to be included in your scope of Licence. **R-71018015 w.e.f. 29-04-2026:**

Product Category	Utility-Interconnected Photovoltaic Inverters
Product Name	Utility-Interconnected Photovoltaic Inverters
IS No.	IS 16169: 2019/IEC 62116: 2014,IS 16221 (Part 2) : 2015 / IEC 62109-2 : 2011,IS 17980: 2022/ IEC 62891:2020
Brand (As Declared by Manufacturer):	Rishabh RADIUS
Inclusion of Additional Models (w.e.f. 29-04-2026)	[Brand -> Rishabh RADIUS, Models -> iNEO-INV(3)-10K0-1M/2M-BT-XXXXXX, iNEO-INV(3)-11K0-1M/2M-BT-XXXXXX, iNEO-INV(3)-12K0-1M/2M-BT-XXXXXX, iNEO-INV(3)-3K0-1M/2M-BT-XXXXXX, iNEO-INV(3)-4K0-1M/2M-BT-XXXXXX, iNEO-INV(3)-5K0-1M/2M-BT-XXXXXX, iNEO-INV(3)-6K0-1M/2M-BT-XXXXXX, iNEO-INV(3)-7K0-1M/2M-BT-XXXXXX, iNEO-INV(3)-8K0-1M/2M-BT-XXXXXX, iNEO-INV(3)-9K0-1M/2M-BT-XXXXXX]
Factory Address	F-31, MIDC, SATPUR, NASHIK Maharashtra,India-422007

3. Other terms and conditions of the licence shall remain same.
4. This letter is being issued with the approval of competent authority.

Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Sumit Bhardwaj)
Scientist-E
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.

TEST REPORT

Page No.: 01 of 04

TEST REPORT NO.: TEST/25-26/TR/460

ULR NO. TC544825000000728F

Date: 10.12.2025

1.0	Name and address of customer	: Rishabh Instruments Ltd. F-31, MIDC Satpur, Nashik – 422 007.	
2.0	Customer letter/Ref No./ DC No.	: 12383	Date: 20.11.2025
3.0	Date of receipt	: 20.11.2025	Condition of test sample: Satisfactory
4.0	Description of test sample	:	
		TSRF No.	TEST/25-26/TSRF/212
		Sample Name	iNEO-INV(3)-12K0-1/2M-BT-DISP-SW Sr. No.: RI-250701915
		NEC Sample ID No.	TEST/25-26/ID/456
5.0	Test method	: IEC 60529:2019	
6.0	Date of testing	: 27.11.2025 – 30.11.2025	
7.0	Details of test	: IP 66 Test	
8.0	Witnessed By	: --	
9.0	Enclosure	: DRG No.: UNOHSNG0001, UNOHSNG0002.	

Test Result: The Sample **Conforms** to the requirements of IP 66 test as per IEC 60529:2019.

Note: 1. This report relates only to the particular sample tested at NEC, Nashik.

2. This report cannot be reproduced in part under any circumstances.

3. Publication of this report requires prior permission in writing from CEO, NEC.

4. Only tests asked for by the customer have been carried out.

5. In case of any dispute, Nashik will be the exclusive jurisdiction & shall be construed as where cause arises.

6. Any Error in this report should be brought in our notice within 30 days from the date of issue of this report.

Caution NEC is not responsible for the authenticity of photocopied or reproduced test reports.

NEC provides support to customers for verification of the authenticity of test reports issued by NEC.


Prepared By:
Kiran Gosavi
(Testing Engineer)


Checked By:
Rahul Golesar
(General Manager)




Authorised By:
Rahul Golesar
(General Manager)

QR/NEC/TC/01

**URS PRODUCTS AND TESTING PRIVATE LIMITED**

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CIN NO U21014UP1987PTC008956



TC-16367

TEST REPORT

TEST REPORT NO:	URS/LAB/02/RID/26-27/3823	DATE OF ISSUE:	20/05/2026
ULR NUMBER	ULR-TC163672600005386F		
NAME OF LABORATORY:	URS PRODUCTS AND TESTING PRIVATE LIMITED		
ADDRESS OF LABORATORY:	A-29, Sector 5, Noida-201301, India		
TESTING LOCATION:	A-29, Sector 5, Noida-201301, India		
CUSTOMER NAME:	Rishabh Instruments Limited		
CUSTOMER ADDRESS:	F31 MIDC, SATPUR, NEAR CEAT TYRES, SATPUR,NASHIK, NASIK, MAHARASHTRA-422007		
TEST ITEM DESCRIPTION			
PRODUCT NAME:	Utility-Interconnect Photovoltaic Inverter		
DATE OF RECEIPT	01/04/2026	SAMPLE CONDITION:	Good
RECEIPT NUMBER	URS/LAB/GCPV/25-26/19B0F242	NO. OF SAMPLE	1
TRADE MARK		SERIAL NUMBER	INEO-12K0M2TBDXSXX
MODEL	Lead Model: iNEO-INV (3)-12K0-1M/2M-BT-XXXXX Series Model :iNEO-INV (3)-3K0-1M/2M-BT-XXXXX,iNEO-INV (3)-4K0-1M/2M-BT-XXXXX,iNEO-INV (3)-5K0-1M/2M-BT-XXXXX,iNEO-INV (3)-6K0-1M/2M-BT-XXXXX,iNEO-INV (3)-7K0-1M/2M-BT-XXXXX,iNEO-INV (3)-8K0-1M/2M-BT-XXXXX,iNEO-INV (3)-9K0-1M/2M-BT-XXXXX,iNEO-INV (3)-10K0-1M/2M-BT-XXXXX,iNEO-INV (3) 11K0- 1M/2M-BT-XXXXX		
RATINGS/SPECIFICATION	Refer marking label		
NAME OF MANUFACTURER	Rishabh Instruments Limited		
ADDRESS OF MANUFACTURER	F31 MIDC, SATPUR, NEAR CEAT TYRES, SATPUR,NASHIK, NASIK, MAHARASHTRA-422007		
TEST SPECIFICATION			
TEST METHOD / STANDARD	BS EN 50530:2010+A1:2013		
TEST START DATE	01/04/2026	TEST END DATE	20/05/2026
ENVIRONMENTAL CONDITIONS	15-35°C, 45-75% RH		
CONCLUSION			
TEST RESULT	The test result Conforms to the requirement of the standard/test protocol based on the obtained test values/results mentioned in this test report.		
REMARK	Nil		

TESTED BY

Shubh Mahajan
Analyst

AUTHORIZED SIGNATURE

PUJA KUMARI
Manager Technical

ISSUED BY

Paras Singh
Vice President (Technical)

Note:

1. This test report is valid only for the sample(s) tested in our laboratory. 2. The test report is not permitted to be duplicated/reproduced in part or in extract in any circumstances. 3. URS lab is not responsible for authenticity of photocopied or reproduced test report. 4. The test results reported in this report are valid at the time of and under the stated conditions of measurements. 5. The remnant(Tested Samples) shall be destroyed after 07days from the date of testing unless specified otherwise in writing. 6. Any correction/erasure shall invalidate the test report. 7. This test report pertains to the test(s) carried out as requested by the customer. 8. This test report shall not be utilized for any legal purpose and shall not be produced in the court of law & no responsibility would be attached to URS Lab. 9. URS reports, in general, are formally released in soft copy through reports@urs-labs.com, client portal, unless client will specifically request with sign & stamped letter with the intent to issue test reports in hard copy form. URS will not acknowledge for the reports said to be released through other means such as what's app. Test Reports for specific schemes such as BIS CRS/LRS schemes, are issued as per specific scheme requirements.

URS/TEE/F/19 Issue No. 05

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CIN NO U21014UP1987PTC008956



TC-16367

TEST REPORT

TEST REPORT NO:	URS/LAB/02/RID/26-27/3825		DATE OF ISSUE:	20/05/2026
ULR NUMBER	ULR-TC163672600005388F			
NAME OF LABORATORY:	URS PRODUCTS AND TESTING PRIVATE LIMITED			
ADDRESS OF LABORATORY:	A-29, Sector 5, Noida-201301, India			
TESTING LOCATION:	A-29, Sector 5, Noida-201301, India			
CUSTOMER NAME:	Rishabh Instruments Limited			
CUSTOMER ADDRESS:	F-31, MIDC, SATPUR, NASHIK MAHARASHTRA, India 422007			
TEST ITEM DESCRIPTION				
PRODUCT NAME:	Utility-Interconnect Photovoltaic Inverter			
DATE OF RECEIPT	01/04/2026	SAMPLE CONDITION:	Good	
RECEIPT NUMBER	URS/LAB/OFGL/25-26/B2A6FAE9	NO. OF SAMPLE	1	
TRADE MARK		SERIAL NUMBER	RI-2506000006	
MODEL	Lead Model: iNEO-INV (3)-12K0-1M/2M-BT-XXXXX Series Model :iNEO-INV (3)-3K0-1M/2M-BT-XXXXX,iNEO-INV (3)-4K0-1M/2M-BTXXXXX,iNEO-INV (3)-5K0-1M/2M-BT-XXXXX,iNEO-INV (3)-6K0-1M/2M-BT-XXXXX,iNEO-INV (3)-7K0-1M/2M-BT-XXXXX,iNEO-INV (3)-8K0-1M/2M-BT-XXXXX,iNEO-INV (3)-9K0-1M/2M-BT-XXXXX,iNEO-INV (3)-10K0-1M/2M-BT-XXXXX,iNEO-INV (3) 11K0- 1M/2M-BT-XXXXX			
RATINGS/SPECIFICATION	Refer Marking Label			
NAME OF MANUFACTURER	Rishabh Instruments Limited			
ADDRESS OF MANUFACTURER	F-31, MIDC, SATPUR, NASHIK MAHARASHTRA, India 422007			
TEST SPECIFICATION				
TEST METHOD / STANDARD	IS/IEC 61683:1999			
TEST START DATE	01/04/2026	TEST END DATE	20/05/2026	
ENVIRONMENTAL CONDITIONS	15-35°C, 45-75%RH			
CONCLUSION				
TEST RESULT	The test result Conforms to the requirement of the standard/test protocol based on the obtained test values/results mentioned in this test report.			
REMARK	Nil			

TESTED BY

Shubh Mahajan
Analyst

AUTHORIZED SIGNATURE

PUJA KUMARI
Manager Technical

ISSUED BY

Paras Singh
Vice President (Technical)**Note:**

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TC-16367

TEST REPORT

TEST REPORT NO:	URS/LAB/02/RID/26-27/3824	DATE OF ISSUE:	20/05/2026
ULR NUMBER	ULR-TC163672600005387F		

NAME OF LABORATORY:	URS PRODUCTS AND TESTING PRIVATE LIMITED
ADDRESS OF LABORATORY:	A-29, Sector 5, Noida-201301, India
TESTING LOCATION:	A-29, Sector 5, Noida-201301, India
CUSTOMER NAME:	Rishabh Instruments Limited
CUSTOMER ADDRESS:	F-31, MIDC, SATPUR, NASHIK MAHARASHTRA, India 422007

TEST ITEM DESCRIPTION

PRODUCT NAME:	Utility-Interconnect Photovoltaic Inverter		
DATE OF RECEIPT	01/04/2026	SAMPLE CONDITION:	Good
RECEIPT NUMBER	URS/LAB/SLI/25-26/59544305	NO. OF SAMPLE	1
TRADE MARK		SERIAL NUMBER	RI-260200001
MODEL	Lead Model: iNEO-INV (3)-12K0-1M/2M-BT-XXXXX Series Model :iNEO-INV (3)-3K0-1M/2M-BT-XXXXX,iNEO-INV (3)-4K0-1M/2M-BTXXXXX,iNEO-INV (3)-5K0-1M/2M-BT-XXXXX,iNEO-INV (3)-6K0-1M/2M-BT-XXXXX,iNEO-INV (3)-7K0-1M/2M-BT-XXXXX,iNEO-INV (3)-8K0-1M/2M-BT-XXXXX,iNEO-INV (3)-9K0-1M/2M-BT-XXXXX,iNEO-INV (3)-10K0-1M/2M-BT-XXXXX,iNEO-INV (3) 11K0- 1M/2M-BT-XXXXX		
RATINGS/SPECIFICATION	Refer marking label		
NAME OF MANUFACTURER	Rishabh Instruments Limited		
ADDRESS OF MANUFACTURER	F-31, MIDC, SATPUR, NASHIK MAHARASHTRA, India 422007		

TEST SPECIFICATION

TEST METHOD / STANDARD	IEC 61727:2004		
TEST START DATE	01/04/2026	TEST END DATE	20/05/2026
ENVIRONMENTAL CONDITIONS	15-35°C, 45-75% RH		

CONCLUSION

TEST RESULT	The test result Conforms to the requirement of the standard/test protocol based on the obtained test values/results mentioned in this test report.
REMARK	Nil

TESTED BY

Shubh Mahajan
Analyst

AUTHORIZED SIGNATURE

PUJA KUMARI
Manager Technical

ISSUED BY

Paras Singh
Vice President (Technical)

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TC-16367

TEST REPORT

TEST REPORT NO:	URS/LAB/02/RID/26-27/3908	DATE OF ISSUE:	21/05/2026
ULR NUMBER	ULR-TC1636726000005418F		
NAME OF LABORATORY:	URS PRODUCTS AND TESTING PRIVATE LIMITED		
ADDRESS OF LABORATORY:	A-29, Sector 5, Noida-201301, India		
TESTING LOCATION:	A-29, Sector 5, Noida-201301, India		
CUSTOMER NAME:	Rishabh Instruments Ltd		
CUSTOMER ADDRESS:	F31 MIDC, SATPUR, NEAR CEAT TYRES, SATPUR,NASHIK, NASIK, MAHARASHTRA-422007		
TEST ITEM DESCRIPTION			
PRODUCT NAME:	Utility-Interconnected Photovoltaic Inverters		
DATE OF RECEIPT	01/04/2026	SAMPLE CONDITION:	GOOD
RECEIPT NUMBER	URS/LAB/SINV/25-26/077B297A	NO. OF SAMPLE	1
TRADE MARK		SERIAL NUMBER	RI-260200001
MODEL	Lead Model: iNEO-INV (3)-12K0-1M/2M-BT-XXXXX Series Model :iNEO-INV (3)-3K0-1M/2M-BT-XXXXX,iNEO-INV (3)-4K0-1M/2M-BT-XXXXX,iNEO-INV (3)-5K0-1M/2M-BT-XXXXX,iNEO-INV (3)-6K0-1M/2M-BT-XXXXX,iNEO-INV (3)-7K0-1M/2M-BT-XXXXX,iNEO-INV (3)-8K0-1M/2M-BT-XXXXX,iNEO-INV (3)-9K0-1M/2M-BT-XXXXX,iNEO-INV (3)-10K0-1M/2M-BT-XXXXX,iNEO-INV (3) 11K0- 1M/2M-BT-XXXXX		
RATINGS/SPECIFICATION	Refer marking label		
NAME OF MANUFACTURER	Rishabh Instruments Limited		
ADDRESS OF MANUFACTURER	F31 MIDC, SATPUR, NEAR CEAT TYRES, SATPUR,NASHIK, NASIK, MAHARASHTRA-422007		
TEST SPECIFICATION			
TEST METHOD / STANDARD	IEC 62109-2:2011 in conjunction with IEC 62109-1:2010		
TEST START DATE	01/04/2026	TEST END DATE	21/05/2026
ENVIRONMENTAL CONDITIONS	15-35°C, 45-75% RH		
CONCLUSION			
TEST RESULT	The test result Conforms to the requirement of the standard/test protocol based on the obtained test values/results mentioned in this test report.		
REMARK	Nil		

TESTED BY



Shubh Mahajan
Analyst



AUTHORIZED SIGNATURE



PUJA KUMARI
Manager Technical

ISSUED BY



Paras Singh
Vice President (Technical)

Note:

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URS/TEE/F/19 Issue No. 05



Rishabh Testing and Calibration Laboratory

(NABL Accredited testing and calibration laboratory)

Plot No. C-6, MIDC, Satpur, Nashik-422007,

Ph. 0253-2202307/384/309

Web: lab.rishabh.co.in, mail:praveen.chaplot@rishabh.co.in



TC-13203

Certificate No.: RTCL/TST/PT/2627/052

ULR No.: TC132032600000092F

Page 1 of 6

I : Electrical testing

1. Environmental Test Facility

 Test Report	 Laboratory Scope	TEST REPORT ENVIRONMENTAL TEST
1. Certified to :	Organization Name :	Rishabh Instruments Ltd.
	Address :	F-31, MIDC Satpur , Nashik 422 007, Maharashtra
2. Details of Unit under test. (UUT)	Product Name :	Solar Inverter
	Manufacturer :	Rishabh Instruments Ltd.
	CRF NO :	2026-27/04/006 Dated : 13.04.2026
	Type / Model :	iNEO-INV(3)-12K0-2M-BT-XXXXXX
	Detail Specifications :	UDC max:1100V,UDC min:175V,IDC max : 1*22.0A/2*22.0A, Isc max : 1*25A/2*25A,Full Power MPPT Range: 320-880V, MPPT Operating Range ;175-1050V Vac nom: 3/N/PE 230V/400V,fAC nom:50/60Hz, Pac non / max: 12kW/13.2kVA,Power factor :0.8 cap.-0.8 ind. Iac nom per phase 17.3Arms, Iac max per phase 19.2Arms,
	No. of item/Total item :	01
	Sr. No./ID No.:	RI-260305463
	Condition of item :	Physically OK.
	Location of testing :	RTCL, Nashik.
3. Test Certificate	Sample Received On :	13 April 2026.
	Date of Issue :	28 May 2026
	Date of Testing :	21 th April 2026 to 24 th April 2026

Tested By :	Checked By :	Approved By :
 (Akshay Salwatkar)	 (Prashant Chalse)	 (Praveen Chaplot)

- Note :**
- 1.This certificate may not be reproduced either in full or part without prior written approval of RTCL.
 2. This report relates only particular sample received in good condition for testing at RTCL.
 3. only test asked for by the customer have been carried out.
 4. In case of any dispute , Nashik will be exclusive Jurisdiction & shall be constructed as where the cause has arise.
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Rishabh Testing and Calibration Laboratory

(NABL Accredited testing and calibration laboratory)

Plot No. C-6, MIDC, Satpur, Nasik-422007,

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TC-13203

Certificate No.:RTCL/TST/PT/2627/052

ULR No.:TC132032600000092F

Page 2 of 6

4.0 : Test Procedures and Applicable Standards

4.1. IEC 60068-2-1:2007 ,

Environmental testing – Part 2-1: Tests – Test A: Cold

4.2 IEC 60068-2-2:2007

Environmental testing – Part 2-2: Tests – Test B: Dry heat

4.3. IEC 60068-2-30:2005

Environmental testing – Part 2-30: Tests – Test Db: Damp heat, cyclic (12 h + 12 h cycle)

5.0 : Brief Description of Unit Under Test:

Rishabh, a leader in industrial sector with vast experience and knowhow, presents the new range of PV inverters RADIUS- iNEO. The iNEO range of inverters confirms to the most advanced international standards and meets the requirements of the residential and commercial solar plant installations. The higher energy yields, long term reliability, plant monitoring and high level professional service are the cornerstones of the RADIUS range of inverters.

6.0 : Test details:

Test Instruments used			
Test Equipment	Make	Model	Serial Number
Temperature & Humidity Chamber	Espec corp	PL-2KPH	14010625
Solar Array Simulator	Regatron	G5.UNV.18.1000.54.M	2419GV549

Ambient Conditions

Ambient Temperature : $25.0 \pm 4^{\circ}\text{C}$	Relative Humidity : < 75 %
--	----------------------------

Tested By :

(Akshay Salwatkar)

Checked By:

(Prashant Chalse)

RTCL-F-114 Rev 03



Rishabh Testing and Calibration Laboratory

(NABL Accredited testing and calibration laboratory)

Plot No. C-6, MIDC, Satpur, Nasik-422007,

Ph. 0253-2202307/384/309

Web: lab.rishabh.co.in, mail:praveen.chaplot@rishabh.co.in



TC-13203

Certificate No.:RTCL/TST/PT/2627/052

ULR No.:TC132032600000092F

Page 3 of 6

6.1: Test A : Cold test. (Ab)

Test Procedure :

According to IEC 60068-2-1: 2007 under the following conditions:

- a) Solar Inverter in non-operating condition (specified by manufacturer)
- b) Temperature: -25 °C
- c) Duration of the test: 16h
- d) Recovery time: 1 h

Test Requirement :

After the test, the specimen should exhibit no external physical damage and no functional failure

Test Observation :

After the test, the specimen was visually inspected, and no physical damage or no functional failure was observed.

Test Result : Conform

6.2: Test B : Dry heat test.(Bb)

Test Procedure :

According to IEC 60068-2-2: 2007 under the following conditions:

- a) Solar Inverter in non-operating condition (specified by manufacturer)
- b) temperature: +60 °C
- c) duration of the test: 16 h
- d) recovery time: 1 h.

Test Requirement :

After the test, the specimen should exhibit no external physical damage and no functional failure

Test Observation :

After the test, the specimen was visually inspected, and no physical damage or no functional failure was observed.

Test Result : Conform

Tested By :

(Akshay Salwatkar)

Checked By:

(Prashant Chalse)



Rishabh Testing and Calibration Laboratory

(NABL Accredited testing and calibration laboratory)

Plot No. C-6, MIDC, Satpur, Nasik-422007,

Ph. 0253-2202307/384/309

Web: lab.rishabh.co.in, mail:praveen.chaplot@rishabh.co.in



TC-13203

Certificate No.:RTCL/TST/PT/2627/052

ULR No.:TC132032600000092F

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6.3 : Test Db : Damp heat cyclic test(12 h + 12 h cycle).

Test Procedure :

According to IEC 60068-2-30: 2005 under the following conditions:

- a) Solar Inverter in non-operating condition (specified by manufacturer)
- b) Variant 2 (Figure 2b)
- c) upper temperature: +55 °C
- d) Lower temperature: +25 °C
- e) The Humidity level shall be: 95%±5%
- f) duration of the test: 1 cycles;
- g) recovery time: 1 h.

Test Requirement :

After the test, the specimen should exhibit no external physical damage and no functional failure

Test Observation :

After the test, the specimen was visually inspected, and no physical damage or no functional failure was observed.

Test Result : Conform

Tested By :

(Akshay Salwatkar)

Checked By:

(Prashant Chalse)



Rishabh Testing and Calibration Laboratory
(ISO/IEC 17025 Accredited Testing Laboratory by NABL vide
Certificate number: TC-13203)

Address: Plot No. C-6, Trishala Unit, NICE Area, MIDC Satpur,
Nashik-422007, Ph. 0253-2202307/384/309
Web: lab.rishabh.co.in, mail:praveen.chaplot@rishabh.co.in



Certificate No.:RTCL/EMC/2627/CS/046
ULR No.:TC1320326000000088F

Page 1 of 10

I : Electrical testing

1. EMI/EMC Test Facility

		TEST REPORT RADIO FREQUENCY CONDUCTED SUSCEPTIBILITY TEST	
1. Certified to :	Organization Name :	Rishabh Instruments Ltd.	
	Address :	F-31, MIDC Satpur , Nashik 422 007, Maharashtra	
2. Details of Unit under test. (UUT)	Product Name :	Solar Inverter	
	Manufacturer :	Rishabh Instruments Ltd.	
	CRF NO :	2026-27/04/006	Dated : 13.04.2026
	Type / Model :	iNEO-INV(3)-12K0-2M-BT-XXXXXX	
	Detail Specifications :	UDC max:1100V,UDC min:175V,IDC max : 1*22.0A/ 2*22.0A, Isc max : 1*25A/ 2*25A,Full Power MPPT Range: 320-880V, MPPT Operating Range ;175-1050V Vac nom: 3/N/PE 230V/400V,fAC nom:50/60Hz, Pac non/ max: 12kW/13.2kVA,Power factor :0.8 cap.-0.8 ind. Iac nom per phase 17.3Arms, Iac max per phase 19.2Arms,	
	No. of item/Total item :	01	
	Sr. No./ID No.:	RI-260305463	
	Condition of item :	Physically OK.	
3. Test Certificate	Location of testing :	RTCL, Nashik.	
	Sample Received On :	13 April 2026	
	Date of Issue :	28 May 2026	
	Date of Testing :	15 April 2026	

Tested By :	Checked By :	Approved By :
 (Akshay Salwatkar)	 (Ravindra Shingote)	 (Praveen Chaplot)

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Certificate No.:RTCL/EMC/2627/CS/046
ULR No.:TC1320326000000088F

Page 2 of 10

4.0 : Test Procedures and Applicable Standard :

4.1. IEC 61000-6-2:2016

Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments

4.2. IEC 61000-4-6:2013

Testing and measurement techniques – Immunity to conducted disturbances induced by radio frequency fields.

5.0 : Brief Description of Unit Under Test :

Rishabh, a leader in industrial sector with vast experience and knowhow, presents the new range of PV inverters RADIUS- iNEO. The iNEO range of inverters confirms to the most advanced international standards and meets the requirements of the residential and commercial solar plant installations. The higher energy yields, long term reliability, plant monitoring and high level professional service are the cornerstones of the RADIUS range of inverters as specified by the manufacturer.

6.0 : Performance Criteria :

Performance criteria A: The EUT shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the EUT is used as intended. If the performance level is not specified by the manufacturer, this may be derived from the product description and documentation and what the user may reasonably expect from the equipment if used as intended.

i.e. During and after the test, Inverter should delivered power +/- 3% of the rated. RS 485 communication not gets interrupted and No malfunctioning of Inverter display and LED Indications as specified by the manufacturer.

Tested By :	Checked By:
 (Akshay Salwatkar)	 (Ravindra Shingote)



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Certificate No.:RTCL/EMC/2627/EFT/047
ULR No.:TC1320326000000089F

Page 1 of 7

I : Electrical testing

1. EMI/EMC Test Facility

		TEST REPORT ELECTRICAL FAST TRANSIENT / BURST IMMUNITY TEST
1. Certified to :	Organization Name :	Rishabh Instruments Ltd.
	Address :	F-31, MIDC Satpur , Nashik 422 007, Maharashtra
2. Details of Unit under test. (UUT)	Product Name :	Solar Inverter
	Manufacturer :	Rishabh Instruments Ltd.
	CRF NO :	2026-27/04/006 Dated : 13.04.2026
	Type / Model :	iNEO-INV(3)-12K0-2M-BT-XXXXXX
	Detail Specifications :	UDC max:1100V,UDC min:175V,IDC max : 1*22.0A/2*22.0A, Isc max : 1*25A/2*25A,Full Power MPPT Range: 320-880V, MPPT Operating Range ;175-1050V Vac nom: 3/N/PE 230V/400V,fAC nom:50/60Hz, Pac non / max: 12kW/13.2kVA,Power factor :0.8 cap.-0.8 ind. Iac nom per phase 17.3Arms, Iac max per phase 19.2Arms,
	No. of item / Total item :	01
	Sr. No. / ID No.:	RI-260305463
	Condition of item :	Physically OK.
	Location of testing :	RTCL, Nashik.
3. Test Certificate	Sample Received On :	13 April 2026
	Date of Issue :	28 May 2026
	Date of Testing :	14 April 2026

Tested By :	Checked By :	Approved By :
(Akshay Salwatkar)	(Ravindra Shingote)	(Praveen Chaplot)

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TC-13203

Certificate No.:RTCL/EMC/2627/EFT/047
ULR No.:TC1320326000000089F

Page 2 of 7

4.0 : Test Procedures and Applicable Standard :

4.1. IEC 61000-6-2:2016

Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for Industrial environments

4.2. IEC 61000-4-4 : 2012

Testing and measurement techniques – Electrical fast transient / burst immunity test.

5.0 : Brief Description of Unit Under Test :

Rishabh, a leader in industrial sector with vast experience and knowhow, presents the new range of PV inverters RADIUS- iNEO. The iNEO range of inverters confirms to the most advanced international standards and meets the requirements of the residential and commercial solar plant installations. The higher energy yields, long term reliability, plant monitoring and high level professional service are the cornerstones of the RADIUS range of inverters as specified by the manufacturer.

6.0 : Performance Criteria :

Performance criteria A: The EUT shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the EUT is used as intended. If the performance level is not specified by the manufacturer, this may be derived from the product description and documentation and what the user may reasonably expect from the equipment if used as intended.

i.e. During and after the test, Inverter should delivered power + / - 3% of the rated. RS 485 communication not gets interrupted and No malfunctioning of Inverter display and LED Indications as specified by the manufacturer.

Performance criteria B : The EUT shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the EUT is used as intended. The performance level may be replaced by a permissible loss of performance. However, during the test, degradation of performance is allowed but no change of actual operating state or stored data is allowed. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, either of these may be derived from the product description and documentation and what the user may reasonably expect from the equipment if used as intended.

i.e. During the test, Measured parameters may be out of tolerance as specified in performance criteria A. A reduced data transfer rate at this time is allowable degradation in RS 485 communication, Meter display may gets malfunction.

After the test, all shall be self recoverable, within the specified limit, functioning should be proper as before the test as specified by the manufacturer.

Tested By :


(Akshay Salwatkar)

Checked By:


(Ravindra Shingote)

RTCL-F-114 Rev 04



Rishabh Testing and Calibration Laboratory
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TC-13203

Certificate No.: RTCL/EMC/2627/ESD/049
ULR No.: TC1320326000000091F

Page 1 of 6

I : Electrical testing
1. EMI/EMC Test Facility

 Test Report	 Laboratory Scope	TEST REPORT ELECTRO STATIC DISCHARGE TEST
1. Certified to :	Organization Name :	Rishabh Instruments Ltd.
	Address :	F-31, MIDC Satpur , Nashik 422 007, Maharashtra
2. Details of Unit under test. (UUT)	Product Name :	Solar Inverter
	Manufacturer :	Rishabh Instruments Ltd.
	CRF NO :	2026-27/04/006 Dated : 13.04.2026
	Type / Model :	iNEO-INV(3)-12K0-2M-BT-XXXXXX
	Detail Specifications :	UDC max:1100V,UDC min:175V,IDC max : 1*22.0A/2*22.0A, Isc max : 1*25A/2*25A,Full Power MPPT Range: 320-880V, MPPT Operating Range ;175-1050V Vac nom: 3 /N/PE 230V/400V,fAC nom:50/60Hz, Pac non / max: 12kW /13.2kVA,Power factor :0.8 cap.-0.8 ind. Iac nom per phase 17.3Arms, Iac max per phase 19.2Arms,
	No. of item /Total item :	01
	Sr. No. /ID No.:	RI-260305463
	Condition of item :	Physically OK.
3. Test Certificate	Location of testing :	RTCL, Nashik.
	Sample Received On :	13 April 2026
	Date of Issue :	28 May 2026
	Date of Testing :	14 April 2026

Tested By :	Checked By :	Approved By :
 (Akshay Salwatkar)	 (Ravindra Shingote)	 (Praveen Chaplot)

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TC-13203

Certificate No.: RTCL/EMC/2627/ESD/049

ULR No.:TC132032600000091F

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4.0 : Test Procedures and Applicable Standard :

4.1. IEC 61000-6-2:2016

Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments

4.2. IEC 61000-4-2:2008

Testing and measurement techniques – Electrostatic Discharge immunity test.

5.0 : Brief Description of Unit Under Test :

Rishabh, a leader in industrial sector with vast experience and knowhow, presents the new range of PV inverters RADIUS- iNEO. The iNEO range of inverters confirms to the most advanced international standards and meets the requirements of the residential and commercial solar plant installations. The higher energy yields, long term reliability, plant monitoring and high level professional service are the cornerstones of the RADIUS range of inverters as specified by the manufacturer.

6.0 : Performance Criteria :

Performance criteria A: Performance criteria A: The EUT shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the EUT is used as intended. If the performance level is not specified by the manufacturer, this may be derived from the product description and documentation and what the user may reasonably expect from the equipment if used as intended.

i.e. During and after the test, Inverter should delivered power +/- 3% of the rated. No malfunctioning of Inverter display and LED Indications as specified by the manufacturer.

Performance criteria B : The EUT shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the EUT is used as intended. The performance level may be replaced by a permissible loss of performance. However, during the test, degradation of performance is allowed but no change of actual operating state or stored data is allowed. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, either of these may be derived from the product description and documentation and what the user may reasonably expect from the equipment if used as intended.

i.e. During the test, Measured parameters may be out of tolerance as specified in performance criteria A. Meter display may gets malfunction. After the test, all shall be self recoverable, within the specified limit, functioning should be proper as before the test as specified by the manufacturer.

Tested By :

(Akshay Salwatkar)

Checked By:

(Ravindra Shingote)

RTCL-F-114 Rev 04



Rishabh Testing and Calibration Laboratory

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Certificate No.: RTCL/EMC/2627/Flicker/050

Page 1 of 6

I : Electrical testing

1. EMI/EMC Test Facility

TEST REPORT VOLTAGE FLUCTUATION AND FLICKER MEASUREMENT

1. Certified to :	Organization Name :	Rishabh Instruments Ltd.
	Address :	F-31, MIDC Satpur , Nashik 422 007, Maharashtra
2. Details of Unit under test. (UUT)	Product Name :	Solar Inverter
	Manufacturer :	Rishabh Instruments Ltd.
	CRF NO :	2026-27/04/006 Dated : 13.04.2026
	Type / Model :	iNEO-INV(3)-12K0-2M-BT-XXXXXX
	Detail Specifications :	UDC max:1100V,UDC min:175V,IDC max : 1*22.0A/2*22.0A, Isc max : 1*25A/2*25A,Full Power MPPT Range: 320-880V, MPPT Operating Range ;175-1050V Vac nom: 3 /N/PE 230V/400V,fAC nom:50/60Hz, Pac non / max: 12kW/13.2kVA,Power factor :0.8 cap.-0.8 ind. Iac nom per phase 17.3Arms, Iac max per phase 19.2Arms,
	No. of item / Total item :	01
	Sr. No. / ID No.:	RI-260305463
	Condition of item :	Physically OK.
	Location of testing :	RTCL, Nashik.
3. Test Certificate	Sample Received On :	13 April 2026
	Date of Issue :	28 May 2026
	Date of Testing :	24 May 2026

Tested By :	Checked By :	Approved By :
 (Akshay Salwatkar)	 (Ravindra Shingote)	 (Praveen Chaplot)

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Web: lab.rishabh.co.in, mail:praveen.chaplot@rishabh.co.in

Certificate No.:RTCL/EMC/2627/Flicker/050

Page 2 of 6

4.0 : Test Procedures and Applicable Standard :

4.1. IEC 61000-3-3:2013+AMD1:2017+AMD2:2021

Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection

5.0 : Brief Description of Unit Under Test :

Rishabh, a leader in industrial sector with vast experience and knowhow, presents the new range of PV inverters RADIUS- iNEO. The iNEO range of inverters confirms to the most advanced international standards and meets the requirements of the residential and commercial solar plant installations. The higher energy yields, long term reliability, plant monitoring and high level professional service are the cornerstones of the RADIUS range of inverters as specified by the manufacturer.

6.0 : Limits of Voltage Fluctuations and Flicker Measurement

The limits shall be applicable to voltage fluctuations and flicker at the supply terminals of the equipment under test, measured or calculated according to clause 4 under test conditions described in clause 6 and annex A. Tests made to prove compliance with the limits are considered to be type tests.

The following limits apply:

- the value of Pst shall not be greater than 1,0;
- the value of Plt shall not be greater than 0,65;
- the value of $d(t)$ during a voltage change shall not exceed 3,3 % for more than 500 ms;
- the relative steady-state voltage change, dc , shall not exceed 3,3 %;
- the maximum relative voltage change $dmax$, shall not exceed
 - a) 4 % without additional conditions;
 - b) 6 % for equipment which is:
 - switched manually, or
 - switched automatically more frequently than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds), or manual restart, after a power supply interruption.
 - c) 7 % for equipment which is
 - attended whilst in use (for example: hair dryers, vacuum cleaners, kitchen equipment such as mixers, garden equipment such as lawn mowers, portable tools such as electric drills), or
 - switched on automatically, or is intended to be switched on manually, no more than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds) or manual restart, after a power supply interruption.

Tested By :

(Akshay Salwatkar)

Checked By:

(Ravindra Shingote)

RTCL-F-114 Rev 04



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Certificate No.: RTCL/EMC/2627/HCE/051

Page 1 of 8

I : Electrical testing

1. EMI/EMC Test Facility

TEST REPORT HARMONIC CURRENT EMISSION

1. Certified to :	Organization Name :	Rishabh Instruments Ltd.
	Address :	F-31, MIDC Satpur , Nashik 422 007, Maharashtra
2. Details of Unit under test. (UUT)	Product Name :	Solar Inverter
	Manufacturer :	Rishabh Instruments Ltd.
	CRF NO :	2026-27/04/006 Dated : 13.04.2026
	Type / Model :	iNEO-INV(3)-12K0-2M-BT-XXXXXX
	Detail Specifications :	UDC max:1100V,UDC min:175V,IDC max : 1*22.0A / 2*22.0A, Isc max : 1*25A / 2*25A,Full Power MPPT Range: 320-880V, MPPT Operating Range ;175-1050V Vac nom: 3 / N / PE 230V / 400V,fAC nom:50 / 60Hz, Pac non / max: 12kW / 13.2kVA,Power factor :0.8 cap.-0.8 ind. Iac nom per phase 17.3Arms, Iac max per phase 19.2Arms,
	No. of item / Total item :	01
	Sr. No. / ID No.:	RI-260305463
	Condition of item :	Physically OK.
	Location of testing :	RTCL, Nashik.
3. Test Certificate	Sample Received On :	13 April 2026
	Date of Issue :	28 May 2026
	Date of Testing :	24 May 2026

Tested By :	Checked By :	Approved By :
 (Akshay Salwatkar)	 (Ravindra Shingote)	 (Praveen Chaplot)

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Certificate No.: RTCL/EMC/2627/HCE/051

Page 2 of 8

4.0 : Test Procedures and Applicable Standard :

4.1. IEC 61000-3-2:2018+AMD 1:2020+AMD 2:2024

Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions
(equipment input current ≤ 16 A per phase)

5.0 : Brief Description of Unit Under Test :

Rishabh, a leader in industrial sector with vast experience and knowhow, presents the new range of PV inverters RADIUS- iNEO. The iNEO range of inverters confirms to the most advanced international standards and meets the requirements of the residential and commercial solar plant installations. The higher energy yields, long term reliability, plant monitoring and high level professional service are the cornerstones of the RADIUS range of inverters as specified by the manufacturer.

6.0 : Test Detail :

Test Instrumentation			
Test Equipment	Make	Model	Serial Number
Solar Array Simulator	Regatron	G5.UNV.18.1000.54.M	2419GV549
Grid Simulator Programmable AC Power source	Regatron	TC.ACS.50.528.4WR.S.LC	240939580
Power Analyzer (WT5000)	Yokogawa	WT500-B-HE/G7	T11408377

Test Conditions	
Ambient Temperature : 24.8°C	Relative Humidity : 56.2%
Port Details: AC Output Port	
Connection : 1.The EUT was powered with 650 Vdc input voltage and 6 kW input power. 2.The EUT was connected to the AC Grid: 3P+N+PE, 230 / 400 Vac, 50 Hz.	
Description : EUT Kept in Operating Condition.	

Tested By :	Checked By:
 (Akshay Salwatkar)	 (Ravindra Shingote)

RTCL-F-114 Rev 04



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Certificate No.:RTCL/EMC/2627/PFMF/048
ULR No.:TC1320326000000090F

Page 1 of 5

I : Electrical testing

1. EMI/EMC Test Facility

		TEST REPORT POWER FREQUENCY MAGNETIC FIELD TEST	
1. Certified to :	Organization Name :	Rishabh Instruments Ltd.	
	Address :	F-31, MIDC Satpur , Nashik 422 007, Maharashtra	
2. Details of Unit under test. (UUT)	Product Name :	Solar Inverter	
	Manufacturer :	Rishabh Instruments Ltd.	
	CRF NO :	2026-27/04/006	Dated : 13.04.2026
	Type / Model :	iNEO-INV(3)-12K0-2M-BT-XXXXXX	
	Detail Specifications :	UDC max:1100V,UDC min:175V,IDC max : *22.0A/2*22.0A, Isc max : 1*25A/2*25A,Full Power MPPT Range: 320-880V, MPPT Operating Range ;175-1050V Vac nom: 3/N/PE 230V/400V,fAC nom:50/60Hz, Pac non / max: 12kW /13.2kVA,Power factor :0.8 cap.-0.8ind. Iac nom per phase 17.3Arms, Iac max per phase 19.2Arms,	
	No. of item / Total item :	01	
	Sr. No. / ID No.:	RI-260305463	
	Condition of item :	Physically OK.	
	Location of testing :	RTCL, Nashik.	
3. Test Certificate	Sample Received On :	13 April 2026	
	Date of Issue :	28 May 2026	
	Date of Testing :	16 April 2026	

Tested By :	Checked By :	Approved By :
(Akshay Salwatkar)	(Ravindra Shingote)	(Praveen Chaplot)

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Certificate No.:RTCL/EMC/2627/PFMF/048
ULR No.:TC1320326000000090F

Page 2 of 5

4.0 : Test Procedures and Applicable Standard :

4.1. IEC 61000-6-2:2016

Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments

4.2. IEC 61000-4-8:2009 (Edition 2, 2009)

Testing and measurement techniques – Power Frequency Magnetic Field immunity test.

5.0 : Brief Description of Unit Under Test :

Rishabh, a leader in industrial sector with vast experience and knowhow, presents the new range of PV inverters RADIUS- iNEO. The iNEO range of inverters confirms to the most advanced international standards and meets the requirements of the residential and commercial solar plant installations. The higher energy yields, long term reliability, plant monitoring and high level professional service are the cornerstones of the RADIUS range of inverters as specified by the manufacturer.

6.0 : Performance Criteria :

Performance criteria A: The EUT shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the EUT is used as intended. If the performance level is not specified by the manufacturer, this may be derived from the product description and documentation and what the user may reasonably expect from the equipment if used as intended.

i.e. During and after the test, Inverter should delivered power +/- 3% of the rated. RS 485 communication not gets interrupted and No malfunctioning of Inverter display and LED Indications as specified by the manufacturer.

Tested By :	Checked By:
 (Akshay Salwatkar)	 (Ravindra Shingote)



RISHABH INSTRUMENTS LIMITED

CERTIFICATE OF CONFORMITY

Manufacturer Name	RISHABH INSTRUMENTS LIMITED
Address	F-31, MIDC, Satpur, Near CEAT Tyres, Nashik – 422007, Maharashtra, India

Product(s): Photovoltaic Inverters

Model(s): iNEO-INV(3)-12K0-1M/2M-BT-XXXXX, iNEO-INV(3)-11K0-1M/2M-BT-XXXXX,
iNEO-INV(3)-10K0-1M/2M-BT-XXXXX, iNEO-INV(3)-9K0-1M/2M-BT-XXXXX,
iNEO-INV(3)-8K0-1M/2M-BT-XXXXX, iNEO-INV(3)-7K0-1M/2M-BT-XXXXX,
iNEO-INV(3)-6K0-1M/2M-BT-XXXXX, iNEO-INV(3)-5K0-1M/2M-BT-XXXXX,
iNEO-INV(3)-4K0-1M/2M-BT-XXXXX, iNEO-INV(3)-3K0-1M/2M-BT-XXXXX,

Applicable Directives:

Low Voltage Directive 2014/35/EU

Electromagnetic Compatibility Directive 2014/30/EU

Applicable Standards:

IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4

IEC/EN 61000-3-3, IEC/EN 61000-3-4, IEC/EN 61000-3-11, IEC/EN 61000-3-12

Based on successful review of the Technical Construction File & documentation, the product is found in conformity with the applicable EU Directives.

Issued Date: 04-08-2026



Rishabh Instruments Ltd,
Place: Maharashtra, India

