



## CONFORMITY TESTING LABS PVT.LTD.

Summary of Test Report No. 2BI202448001 Dated 02/01/2025  
(Number of Pages in Test Report: Page No. 1 to 76)

**TEST FORMAT AS PER IS 16221 (Part 2): 2015/ IEC 62109-2: 2011 in conjunction with  
IS 16221 (Part 1): 2016 / IEC 62109-1: 2010**

1. Name of Manufacturer: **STATCON ENERGIAA PRIVATE LIMITED**  
KHASRA NO 509, BLOCK A, PO PILKHUWA, VILLAGE  
CHHIJARSI, KULICH NAGAR, DISTT HAPUR, 245304,  
UTTAR PRADESH
2. Product: **HYBRID SOLAR INVERTER**  
(Power Invertors for use in Photovoltaic Power Systems)
3. Model(s): **Lead Model:** BXR-HBD-048-05K-1P-06M1-11-C01  
**Series Models:** BXR-HBD-048-04K-1P-4.8M1-11-C01,  
BXR-HBD-048-3.5K-1P-4.2M1-11-C01, BXR-HBD-048-03K-1P-3.6M1-11-C01,  
BXR-HBD-048-2.5K-1P-03M1-11-C01, BXR-HBD-048-02K-1P-2.4M1-11-C01,  
BXR-HBD-048-01K-1P-1.2M1-11-C01
4. Model differences provided (if applicable): Yes / No
5. Model differences verified as per Guidelines for series formulation: Yes
6. Test Results: See below

### PART A : GENERAL

SL. NO.	TEST REQUIREMENT	CLAUSE	VERDICT
1.	General testing requirements	4	P
2.	Marking and documentation	5	P
3.	Environmental requirements and conditions	6	P
4.	Protection against electric shock and energy hazards	7	P
5.	Protection against mechanical hazards	8	P
6.	Protection against fire hazards	9	P
7.	Protection against sonic pressure hazards	10	P
8.	Protection against liquid hazards	11	N/A
9.	Protection against Chemical Hazards	12	N/A
10.	Physical requirements	13	P
11.	Components	14	P

This report is digitally signed and does not require signature on subsequent pages.



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### General Information:

1. The conformity certificates of critical components are verified to ensure complete testing of apparatus under test and details regarding harmonized IEC standards (where IEC standards are not available) are also provided in the list of critical component.

### CONCLUSION:




- 1) Sample meets all relevant requirements of IS 16221 (Part 2) : 2015/ IEC 62109-2 : 2011 in conjunction with IS 16221 (Part 1) : 2016 / IEC 62109-1 : 2010
- 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 16221 (Part 2): 2015/ IEC 62109-2 : 2011 in conjunction with IS 16221 (Part 1) : 2016 / IEC 62109-1 : 2010/~~does not meet the requirements stated above at 2) of conclusion. If any deviation is found, suitable punitive action may be taken by BIS.~~*

**HANI** Digitally  
**SINGH** signed by  
HANI SINGH

.....  
(Signature of Authorized person with Stamp)

**This report is digitally signed and does not require signature on subsequent pages.**

 <b>CONFORMITY TESTING LABS</b>	<b>CONFORMITY TESTING LABS PVT. LTD.</b>		  TC-5409
	Report No. 2BI202448001	IS 16221 (Part 2) : 2015/ IEC 62109-2 : 2011	
Dated: 02/01/2025			
ULR NO.: TC540925000000001F			

<b>Manufacturer:</b>	<b>STATCON ENERGIAA PRIVATE LIMITED</b> KHASRA NO 509, BLOCK A, PO PILKHUWA, VILLAGE CHHIJARSI, KULICH NAGAR, DISTT HAPUR, 245304, UTTAR PRADESH		
<b>Test item:</b>	<b>HYBRID SOLAR INVERTER</b> (Power invertors for use in photovoltaic power systems)		
<b>Identification:</b>	<b>Lead Model:</b> BXR-HBD-048-05K-1P-06M1-11-C01	<b>Serial No.:</b>	24K10660A0
	<b>Series models:</b> BXR-HBD-048-04K-1P-4.8M1-11-C01, BXR-HBD-048-3.5K-1P-4.2M1-11-C01, BXR-HBD-048-03K-1P-3.6M1-11-C01, BXR-HBD-048-2.5K-1P-03M1-11-C01, BXR-HBD-048-02K-1P-2.4M1-11-C01, BXR-HBD-048-01K-1P-1.2M1-11-C01		
<b>Receipt No.:</b>	2BI202448001	<b>Date of receipt:</b>	25/11//2024
<b>Testing laboratory and its address:</b>	<b>Conformity Testing Labs Pvt. Ltd.</b> Unit 2, A-33, Mayapuri Industrial Area, Phase-I, New Delhi-110064, India		
<b>Test specification:</b>	IS 16221 (Part 2) : 2015/ IEC 62109-2 : 2011 in conjunction with IS 16221 (Part 1): 2016 / IEC 62109-1 : 2010		
<b>Test Result:</b>	The test item Passed/Failed the test specification		
<b>Other Aspects:</b>	<ul style="list-style-type: none"> <li>- This report consists of 76 pages including three appendixes.</li> <li>- Hybrid Solar Inverter (Power invertors for use in photovoltaic power systems) Lead model: BXR-HBD-048-05K-1P-06M1-11-C01 has been tested as per IS 16221 (Part 2): 2015/ IEC 62109-2: 2011 and complies to all the Applicable parameters.</li> <li>- The technical details for series formulation has been verified by lab as per MNRE guideline and found satisfactory.</li> </ul>		
This test report relates to the test sample submitted and list of documents attached.			

<b>Tested by:</b>	<b>Approved by / Authorized Signatory:</b>	<b>Issued by:</b>
<b>SANDEEP KUMAR PATEL</b> Digitally signed by SANDEEP KUMAR PATEL	<b>HANI SINGH</b> Digitally signed by HANI SINGH	<b>MADHUR KHANNA</b> Digitally signed by MADHURI KHANNA
<b>Sandeep Kumar Patel (Sr. Test Engineer)</b>	<b>Hani Singh (Sr. Test Engineer)</b>	<b>Madhuri Khanna (CSC Executive)</b>
<b>Date: 02/01/2025</b>	<b>Date: 02/01/2025</b>	<b>Date: 02/01/2025</b>