



Certificate no. TC-6229

Electrical Research & Testing Organisation

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. Of India)

Plot No.747, B/h Gurukrupa Farm, Manjusar Village, Savli Vadodara Main Road, Vadodara; Gujarat; India. 391775.

☎ (02667)-611200, 611201, 611202, 611203, 611204, 611205, 611206, 611207, 611208, 611211, 264007.

☎ +91-8866009021 / +91-9998009021.

✉ service@erto.in, accounts@erto.in, sr.patel@erto.in; erto@erto.in

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ERTO

Quality Assurance Laboratory



TEST REPORT

Report No	: ERTO/TRP/2122/0213
ULR No.	: TC62292100000460F
Date of issue	: 02/07/2021
Total number of pages	: 25
Customer's name	: PVJ POWER SOLUTIONS
Address	: Vill. Nasrali, PO Dabhota, Nalagarh – 174101, Himachal Pradesh (INDIA)
Customer's reference & date	: PVJ/Test/21-22/01, Dt. 15/06/2021
Test specification	
-Standard	: As per IS 1180 (Part 1):2014 with 1,2,3 amendment
-Test procedure	: As per IS 1180 (Part 1):2014 with 1,2,3 amendment
-Non-standard test method	: N/A
ERTO sample ID no.	: ERTO-0224
Test performed at	: ERTO lab
Name of test sample	: 2500 kVA, Distribution Transformer
Make	: PVJ POWER SOLUTIONS
Rating	: 2500 kVA
Technical specification of test sample	: As per page 2.
Test performed	: As per page 5.
Any other details specified by customer: ---	
Date of receipt of test sample	: 23/06/2021
Condition on Receipt	: Good
Date(s) of performance of test(s)	: 25/06/2021 to 01/07/2021
List of Enclosures	
-Test sample photo	: As per page 3.
-Rating plate photo	: As per page 4.
-Drawings (As submitted by customer)	: 1) PVJ/2500/33/NP/02 SHT. 1/1 2) PVJ/2500/33/GA/01 Sh 1/1
Remarks	: 1) The sample conforms to the requirements of above mentioned standard for the test nos. 2, 5, 6 & 8 to 14. 2) The observations of the test nos. 1, 3, 4 & 7 are as per page 6 to 9.
Prepared By	Checked By (S.B. Diwan)
	Approved By (S.R. Patel) (Technical Director)
Notes:	
1.	This report relates only to the particular sample tested.
2.	Only the tests asked by the customer have been carried out.
3.	This report cannot be reproduced in part under any circumstances.
4.	Publication of this report requires prior permission in writing from Technical Director, ERTO.
5.	In case of any dispute, ERTO will be the exclusive jurisdiction & shall be construed as where the cause has arisen.
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Report No.: ERTO/TRP/2122/0213

ULR No.: TC622921000000460F

Date: 02/07/2021

Technical Specification of Test Sample declared by customer

1. Test sample : 2500 kVA, Distribution Transformer (Non sealed type, CRGO Core)
2. Name of manufacture : PVJ POWER SOLUTIONS
3. Serial No. : PVJ/2500/33/EEL3/01
4. Rating : 2500 kVA
5. Energy efficiency level : Level 3
6. Rated voltage at no load H.V/L.V : 33000/433 Volt
7. Rated current at H.V/L.V : 43.73/3333.43 Amp.
8. Number of phases : 3-Phase
9. Connection H.V./L.V : Delta/Star
10. Frequency : 50 Hz
11. Type of cooling : ONAN
12. Temperature rise of oil/winding : 40/45 °C
13. Percentage Impedance : 6.25 %
14. Vector group : Dyn11
15. Winding material : Copper
16. Year of manufacture : 2021
17. Max. total loss at 50% load at 75°C : 6342.50 W
18. Max. total loss at 100% load at 75°C : 18812.50 W
19. Basic insulation level of H.V. : 70 kVrms/170 kVp
20. Basic insulation level of L.V. : 03 kVrms
21. Tapping details :

Tap position	HV Taps (volts)	LV (volts)
1	36300	433
2	35475	433
3	34650	433
4	33825	433
5	33000	433
6	32175	433
7	31350	433

ERTO Sample ID No. : ERT0-0224



Prepared By



Checked By