



INTERNATIONAL
ACCREDITATION
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CERTIFICATE OF ACCREDITATION

This is to attest that

FEDERAL POWER TRANSFORMERS, LLC.

PO BOX 111209

ABU DHABI, UNITED ARAB EMIRATES

Testing Laboratory TL-623

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiry Date July 1, 2025

Effective Date July 5, 2024



International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

FEDERAL POWER TRANSFORMERS, LLC.

www.federalpowertransformers.com

Contact Name Mohammad Arif

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Accredited to ISO/IEC 17025:2017

Effective Date July 5, 2024

Electrical	
IEEE C57.12.90, Clause 5 and IEC 60076 - 1, Clause 11.2.3	Measurement of Winding Resistance
IEEE C57.12.90, Clauses 6.3.2, 7 and IEC 60076 - 1, Clause 11.3	Measurement of Voltage Ratio and Check of Phase Displacement
IEEE C57.12.90, Clause 8 and IEC 60076 - 1, Clause 11.5	Measurement of No -Load Loss and Current
IEEE C57.12.00, Clause 8.2.1 and IEC 60076 Clause 11.7	Tests on - Load Tap Changers (operation test)
IEEE C57.12.90, Clause 9 and IEC 60076 - 1, Clause 11.4	Measurement of Short Circuit Impedance and Load Loss
IEEE C57.12.90, Clause 10.3 and IEC 60076 - 3, Clause 13.2, 13.4	Lightning Impulse Test (LI, LIN)
IEEE C57.12.90, Clause 10.3.1.3 and IEC 60076 - 3, Clause 13.3	Lightning Impulse tests (LIC)
IEEE C57.12.90, Clause 10.6 and IEC 60076 - 3, Clause 10	Applied voltage Test
IEEE C57.12.90, Clause 10.7 & 10.8 and IEC 60076 - 3, Clause 11.2	Induced Voltage Withstand Test
IEEE C57.12.90, Clause 10.9 and IEC 60076 - 3, Clause 11	Induced Voltage tests with Partial Discharge Measurement (IVW & IVPD)

TL-623

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IEEE C57.12.90, Clause 10.10 and IEC 60076, Clause 11.1.2.2c	Determination of Capacitance of Windings to earth and Between Winding
IEEE C57.12.90, Clause 10.10 and IEC 60076, Clause 11.1.2.2c	Measurement of Dissipation Factor ($\tan\delta$) of the Insulation System Capacitances
IEEE C57.12.90, Clause 10.11 and IEC 60076 - 1 Clause 11.1.2.2b	Measurement of Insulation Resistance
IEEE C57.12.90, Clause 11 and IEC 60076 -2	Temperature — Rise Test
IEEE C57.12.90, Clause 13.0 and IEC 60076-10-1	Determination of Sound Levels – Application Guide

