SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NOJA POWER SWITCHGEAR PTY LTD.
16 Archimedes Pl
Murarrie, QLD, 4172
Brisbane, Australia
Samuel Griffiths (Authorized Rep) Phone: +617 3907 8777
Email: SamG@nojapower.com.au

ELECTRICAL

Valid To: January 31, 2027 Certificate Number: 6056.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for the following electrical and mechanical tests:

Test Type/Technology:	**Test Methods[1]:**
Dielectric[2]	
Power Frequency voltage	
Up to 200 kV, 200 mA, 50/60 Hz	IEC 60060-1; IEC 62271-1; IEC 62271-100, -103, -111; IEC 60137; IEC 61869-1, -3
Lightning Impulse voltage	
600 kV, 60 kJ	IEC 60060-1; IEC 62271-1; IEC 62271-100, -103, -111; IEC 61869-1; IEC 60137
Partial Discharge	
(1–100) pC	IEC 60270; IEC 62271-1; IEC 62271-111; IEC 60137; IEC 61869-1
Contact Resistance Measurement[2]	
(100–1000) μΩ at 1A (50–500) μΩ at 10A (50–500) μΩ at 100	IEC 62271-1; IEC 62271-100, -103, -111
Minimum Tripping Current	IEC 62271-111
Over/Under Current Protection	IEC 60255-151
Over/Under Voltage Protection	IEC 60255-127
Frequency Protection	IEC 60255-181
Controller Characteristics	NOJA-3327

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Measuring / Protection Injection Testing[2] Voltage Testing - (0 – 300) V Current Testing - (0 – 30) A Phase Angle Testing - (0 – 360) ˚ Frequency Testing - (0 – 10) kHz	NOJA-3331
Simulated Surge Arrestor Operation[2] Up to 7kA, 160kV	IEC 62271-111
Time-Current Tests **Up to 16 kA**	IEC 62271-111
Protocol Testing	IEC 61850 Ed 2.0 & Ed 2.1, Parts 6, 7-1, 7-2, 7-3, 7-4, and 8-1

MECHANICAL

Test Type/Technology:	**Test Methods[1]:**
Environmental Chamber[2] (Cold, Dry and Damp Heat Cycle) Temperature: (-65 to +110) ˚C Relative Humidity: (10 to 95) %	IEC 60068-2-1; IEC 60068-2-2; IEC 60068-2-30
Mechanical Operation	IEC 62271-1; IEC 62271-100, -103, -111
Temperature Rise / Continuous Current Single-phase / Three-phase up to 3000 A, 50/60 Hz	IEC 62271-1; IEC 61869-1, -3; IEC 62271-100, -103, -111; IEC 60137
Salt Fog (1000 Hr) [2] Test Voltage: (2 to 30) kV	IEC 62217
Degrees of Protection Against Mechanical Impacts (IK) [2] IK 08, IK 09, IK 10	IEC 62262; IEC 60068-2-75 clause 5

Types of products, materials, and/or industry that the laboratory tests:

Testing Products
Automatic Circuit Reclosers
Circuit Breakers
Disconnectors
Load Break Switches
Voltage Transformers
Insulated Bushings
Measuring / Protection Relays
Enclosures

[1] When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard test method, per Annex A, Part C of A2LA *R101 - General Requirements: Accreditation of Conformity Assessment Bodies.*

[2] Also using customer specifications directly related to the types of test parameters listed above.

Accredited Laboratory

A2LA has accredited

NOJA POWER SWITCHGEAR PTY LTD

Brisbane, AUSTRALIA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 9th day of June 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6056.01
Valid to January 31, 2027

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.