

**BUREAU VERITAS**  
Certification



## Product Carbon Footprint Verification Statement

The assessment of life cycle GHG emissions of:

Automatic circuit reclosers in three different voltage categories – OSM 15 kV, OSM 27 kV, OSM 38 kV. Each category of products has one, two, three and single-triple phases

Which is made by:

**NOJA Power Switchgear Pty Ltd**  
16 Archimedes Place, Murarrie, Brisbane, QLD 4172

Bureau Veritas verified the quantity of the product carbon footprint of the above organisation's product(s) and found to be in accordance with the requirements of the Standard below with reasonable level of assurance. Bureau Veritas issues this Statement to the above organisation as shown below only in respect of the verified products described and detailed in the Schedule to this Statement.

STANDARD

## ISO 14067:2018

### Greenhouse gases – Carbon footprint of products

### Requirements and guidelines for quantification

|                            |  |
|----------------------------|--|
| Verification Number:       | BV-PCFV2001  |
| Issue Date:                | 3 September 2020   |
| Expiry Date:               | 3 September 2022   |
| System boundary:           | Cradle-to-Grave  |
| Functional unit:           | Provide protection, control and communication services reliably in the electrical distribution network for thirty years. |
| Functional unit emissions: | 1,532 kg CO <sub>2</sub> e   |
| Assessment period:         | 1/1/2019 – 31/12/2019  |
| Exclusion:                 | Infrastructure was not included in the CFP calculation   |

Signed on behalf of Bureau Veritas

Sam Guindi  
Product Certification Manager



**BUREAU  
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## SCHEDULE TO PCF VERIFICATION STATEMENT PCFV2001

\* This schedule is part of a PCF Verification Statement issued by Bureau Veritas

**Verified Products:** Automatic circuit reclosers in three different voltage categories - OSM 15 kV, OSM 27 kV, OSM 38 kV. Each category of products has one, two, three and single-triple phases

| Life Cycle Stage                                    | Emissions<br>(kg CO <sub>2</sub> e/Unit) | Percentage<br>(%) |
|---|--|-------------------|
| Supplier & Raw Material                             | 998                                      | 65.14             |
| Manufacture   | 161                                      | 10.50             |
| Distribution (freights)                             | 54                                       | 3.54              |
| Consumer Use  | 311                                      | 20.28             |
| Disposal  | 8  | 0.53              |
| <b>Total</b> (CFP for complete life cycle per unit) | <b>1,532</b>                             | <b>100.00</b>     |

### Verified organization detail:

**Company name:** NOJA Power Switchgear Pty Ltd  
**Company address:** 16 Archimedes Place, Murarrie, Brisbane, Queensland 4172  
**Company TEL:** +61 (7) 3907 8777  
**Contact:** Dr. Rabiul Alam

### Verification date:

- Stage 1 desktop: 30/08/2020
- Stage 2 desktop: 02/09/2020

### Verification scope:

Automatic circuit reclosers in three different voltage categories - OSM 15 kV, OSM 27 kV and OSM 38 kV

### System boundary:

Cradle to Grave

### Level of assurance:

Reasonable level of assurance.

### Techniques and processes used:

The techniques verification team performed to test were based on document review, GHG emission related evidence review, data calculation and so on.

**Limitations:** N/A

**Additional information:** N/A