



ASTA REPORT

Project Number: S230035 **Report No:** 230300005SGP-002

Apparatus: 6300A, 690V/415V/1000V/12kV (Un/Ue/Ui/Uimp), 50Hz, IP43, Form 4b PowerSwitchgear and Controlgear Assembly (PSC-Assembly) incorporating three phase with neutral bare copper conductor main busbar. One incoming ACB distribution circuit and protective earth busbar at bottom. The PSC-Assembly is naturally ventilated with top capped chimney suitable for indoor application and has a metallic enclosure

Designation: MSB 6300A

Manufacturer: VietPower

Tested By: China National Quality Supervision and Testing Center for Smart Grid Transmission and Distribution Products (CEST)
No.68 Xihu East Road, Shilong Town, Dongguan City, Guangdong Province, People's Republic of China.

Date(s) of tests: 5 November 2021 to 2 March 2022

The apparatus, constructed in accordance with the description, drawings and photographs attached hereto, has been examined in accordance with:

IEC TR 61641 Edition 3.0 2014-09, Clauses 6, 7, 8 applying Criteria 1 to 7 for the test on main horizontal busbars & the supply side of the incoming 6300A ACB.

Internal arc fault tests to assess an assembly providing personnel protection for the horizontal busbars and assembly protection with limited operation capability for the supply side of the ACB under specified arcing conditions.

Test under conditions of arcing due to internal fault initiated at following points:

Horizontal busbars (Shorting at point B marked on drawing), (Ip arc) & (Iarc): 100kA rms; 0.4s; 415V~.

Supply side of incoming busbars of 6300A ACB (Shorting at point C marked on drawing, (Ip arc) & (Iarc): 100kA rms; 0.4s; 415V~.

This is not a certificate of rating

A certificate of rating was not issued as the arc fault tests to IEC/TR 61641 Edition 3.0, do not establish a rating and only selected tests were performed.

The documents forming this Test Report are:

- (1) Record of proving tests: Pages 7, 8 & 9
- (2) Diagram nos: 12 & 13
- (3) Oscillogram nos: 14, 15, 16 & 17
- (4) Photograph nos: 18
- (5) Drawing nos: 19, 20, 21, 22, 23 & 24

Record of Proving Tests applies only to the apparatus tested. The responsibility for conformity of apparatus having the same designation with that tested rests with the Manufacturer.

Production of the complete report only is permitted.



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Digitally signed by the above
Location: Intertek Testing
Services (Singapore) Pte Ltd
Addition: intertek version 11.0.23

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01 November 2023

ASTA Observer
Wong Tuck Hoong

Reviewed by
David Sim

Date