

11kV RE SUBSTATION (E-HOUSE)

For Large Scale Solar Project

Sole Distributor:



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Enhance
Edition

2019

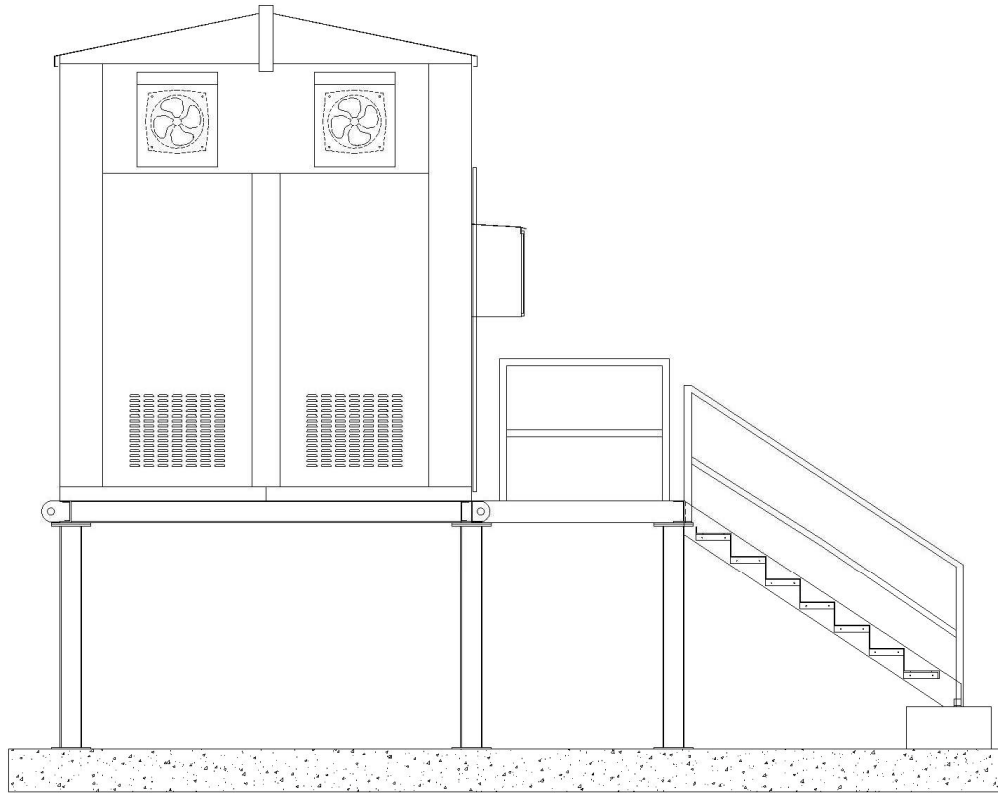
- Fully assembled in Malaysia
- Built in accordance with Malaysian / IEC Standards
- Able to custom-made to suit any requirement / conditions.
- Compatible with any type of Switchgear.

EH-11-3TGVN-R

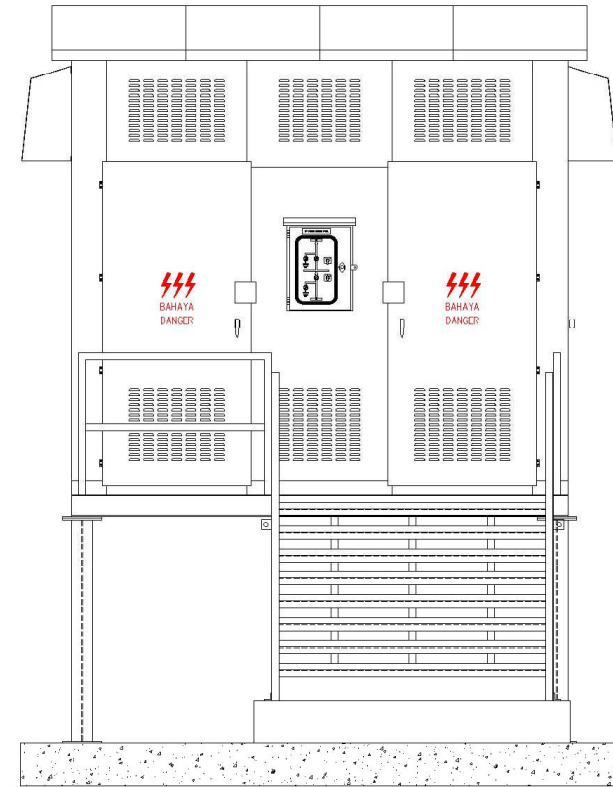
IP41 Outdoor 11kV RE Substation (E-House) consists of 11kV Switchgear and Battery Charger.

Material Used	: Hot Rolled Steel Sheet 2.5mm Body & 3.0mm Structure 2.0mm Roofing
Finishing	: Powder Coating
Flooring	: 3.0mm Aluminium Chequered Plate
Base Frame	: Mild Steel C-Channel with lifting lugs
Finishing	: Painted black with antirust coating layer
Dimension	: Approx. 3500mm x 3000mm x 5000mm (L x W x H)
Weight	: Approx. 7 tons
Accessories	: 32A 1Ø distribution board 30Vdc, 240Vac, 1Ø nickel cadmium battery unit Florescent lights & 13A switch socket outlets Exhaust fans with timer control Rubber mat
Optional	: Fibre optic patch panel for data control system Outdoor remote-control panel with mimic diagram Raise up I-beam (1.5m) with platform c/w ladder & safety handrail (Upon request)





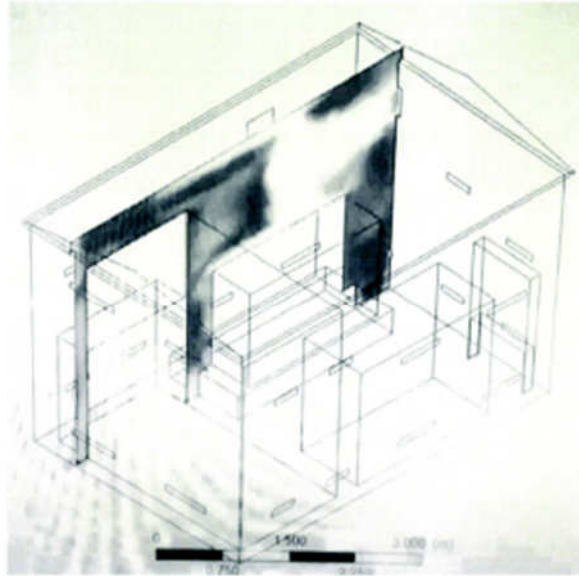
LEFT HAND VIEW



EXTERNAL FRONT VIEW

GENERAL OUTLINE DRAWING

11kV RE SUBSTATION (E-HOUSE)



Thermal Analysis

33KV 1600KVA TRANSFORMER STATION

T01-T10, T12-20, T22

Ir. Lum YL | 31.08.18 | Client : M ELECTRICAL & ENGINEERING SDN. BHD.



- Details Certificate upon request

11kV Air Insulated Switchgear

Solar Incomer Panel

Technical Specification

Type	: VHIH
Voltage	: 12kV
Normal Current	: 630A
Frequency	: 50Hz
Lightning Impulse withstand voltage	: 75kV
Power Frequency withstand voltage	: 28kV
Short-circuit making current	: 63kA
Short-circuit breaking current	: 25kA
Short-circuit duration	: 3 sec
Operating voltage	: 30Vdc
Protection device	: Overcurrent Earth Fault Relay

Made : Malaysia

Warranty : 24 Months from commissioning date or
30 months from date of delivery from
manufacturer

11kV Air Insulated Switchgear

Outgoing Feeder to TNB Panel

Technical Specification

Type	: VHIH
Voltage	: 12kV
Normal Current	: 630A
Frequency	: 50Hz
Lightning Impulse withstand voltage	: 75kV
Power Frequency withstand voltage	: 28kV
Short-circuit making current	: 63kA
Short-circuit breaking current	: 25kA
Short-circuit duration	: 3 sec
Operating voltage	: 30Vdc
Protection device	: Overcurrent Earth Fault Relay

OVERALL SINGLE LINE DIAGRAM

