



THE SAUDI TRANSFORMERS CO. LTD.

# *Compact Substations*



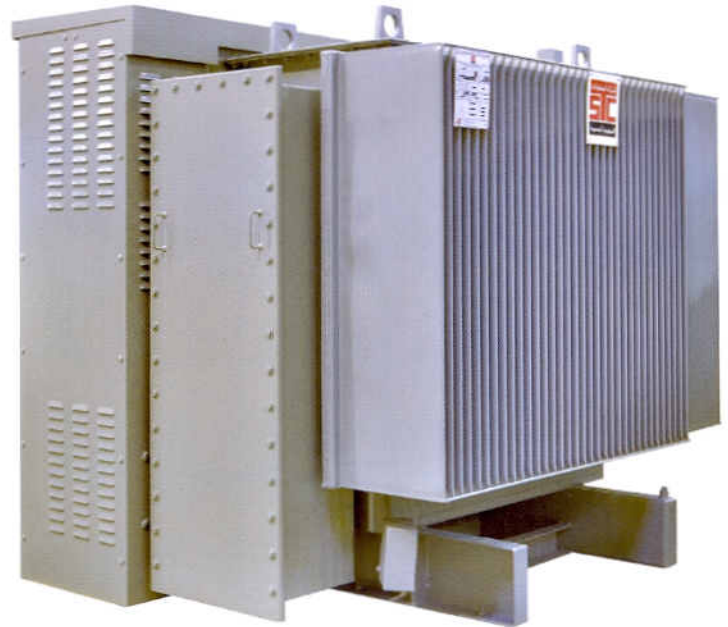
## LV Switchgear

- Incoming breaker or isolator upto 5000A (Motorized or manual/drawout).
- Outgoing breakers / Fuse switches.
- Computerized load monitoring relays (on request).
- Instrument transformers / Meters from reputable manufacturers.

## Transformer<sup>1</sup>

- Available upto 3150kVA.
- Hermetically sealed with corrugated fins or with radiators.

**Type tested at international laboratories**



**Easy to install**

**Quick Deliveries**

## Standard Ratings

| KVA                                      | 300        | 500        | 1000       | 1250       | 1500       | 2000       | 2500       |
|--|------------|------------|------------|------------|------------|------------|------------|
| Voltage (KV)                             | 11/13.8/33 | 11/13.8/33 | 11/13.8/33 | 11/13.8/33 | 11/13.8/33 | 11/13.8/33 | 11/13.8/33 |
| Approximate Weight (kg)                  | 3500       | 4000       | 6000       | 6500       | 7000       | 8000       | 9000       |
| Standard <sup>2</sup><br>Dimensions (mm) | L          | 3000       | 3000       | 3000       | 3000       | 3000       | 3000       |
|  | W          | 2000       | 2000       | 2000       | 2000       | 2000       | 2000       |
|  | H          | 2200       | 2200       | 2200       | 2200       | 2200       | 2200       |

1- Please refer to our catalogue of "Distribution Transformers" for details.  
 2- Units with 4000mm length are also available.

# Compact Substations

Compact Substations are self-contained units available in different designs and dimensions and cater for Power supply requirements for residential and industrial consumers.

Each unit comprises of three individual main assemblies, and a typical substation would include:

- 1- One hermetically sealed transformer.
- 2- One metal clad SF<sub>6</sub> insulated Ring Main Unit.
- 3- One, metal clad low voltage distribution panel.

## Salient Features

### Compliance

- IEC Standards
- International Standards



### Construction

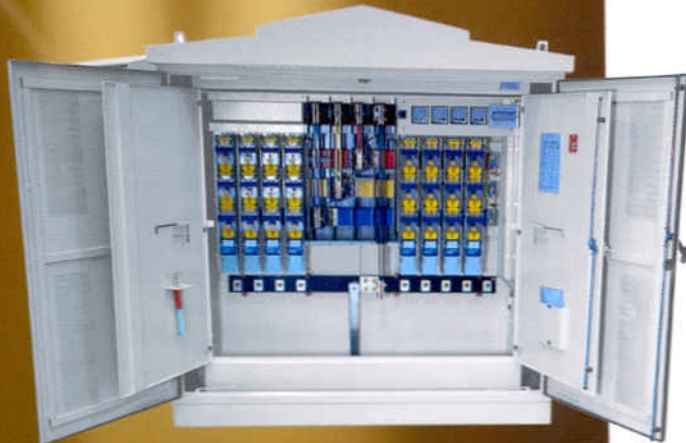
- Metal Clad with galvanized Steel Housing.
- Metal Clad with GRP Housing.
- Alu Zinc hot dipped galvanized steel.
- Lockable doors with stainless steel or chrome plated handle.
- Powder coating with excellent finish.
- Sand ingress limiting ventilation louvers.
- Lifting lugs for mounting the sub-stations from the base.
- Maximum degree of protection - IP 54.
- Easy accessibility.

### HV Switchgear

- SF<sub>6</sub> insulated Ring Main Unit Circuit breaker / Fused Switch.
- Oil insulated Ring Main Unit with Fused Switch.
- Oil / SF<sub>6</sub> insulated isolator.
- Air or Vacuum insulated fused load break switch.

**Efficient POWER is our Objective**

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