

Compact Substations



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 SF₆ 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

- SF₆ insulated Ring Main Unit Circuit breaker / Fused Switch.
- Oil insulated Ring Main Unit with Fused Switch.
- Oil / SF₆ insulated isolator.
- Air or Vacuum insulated fused load break switch.

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.

Transformer¹

- 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 ² 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.

Efficient POWER is our Objective

Email: info@sauditransformers.com Website: sauditransformers.com



THE SAUDI TRANSFORMERS CO. LTD.

● **Head Office & Factory**

1st Industrial City
P.O.Box 5785, Dammam 31432
Tel: +966 3 847 3020
Fax: +966 3 847 1718

● **Riyadh Office**

P.O.Box 968, Riyadh 11421
Tel: +966 1 403 9624
Fax: +966 1 402 3130

● **Jeddah Office**

P.O.Box 34673, Jeddah 21478
Tel: +966 2 651 2394
Fax: +966 2 651 2664

