



SRMU

12kV, 21kA, SF6 GAS INSULATED RING MAIN UNIT

Ring Main Unit (RMU) is a compact and self-contained electrical distribution unit used in medium voltage power networks. It is designed to supply electricity to multiple buildings or areas while ensuring reliable and efficient power distribution. It functions by forming a ring-shaped network, allowing multiple power sources to be connected and providing alternative paths for electricity flow in case of a fault.

One of the key advantages of an RMU is its compact size, as it takes up less space compared to traditional switchgear. This makes it ideal for urban areas with limited space availability.

Salient Features

- Innovative & modular design.
- Fully type tested & conforms to applicable IEC standards.
- High degree of safety & reliability.
- Fully interlocked operation & Padlocking facility to ensure operators safety.
- Seamless integration with SCADA network for remote operation and control.
- Readily Extensible on Both Sides.
- Suitable for Indoor and Outdoor application.
- Ease in installation & virtually maintenance free.

Applications

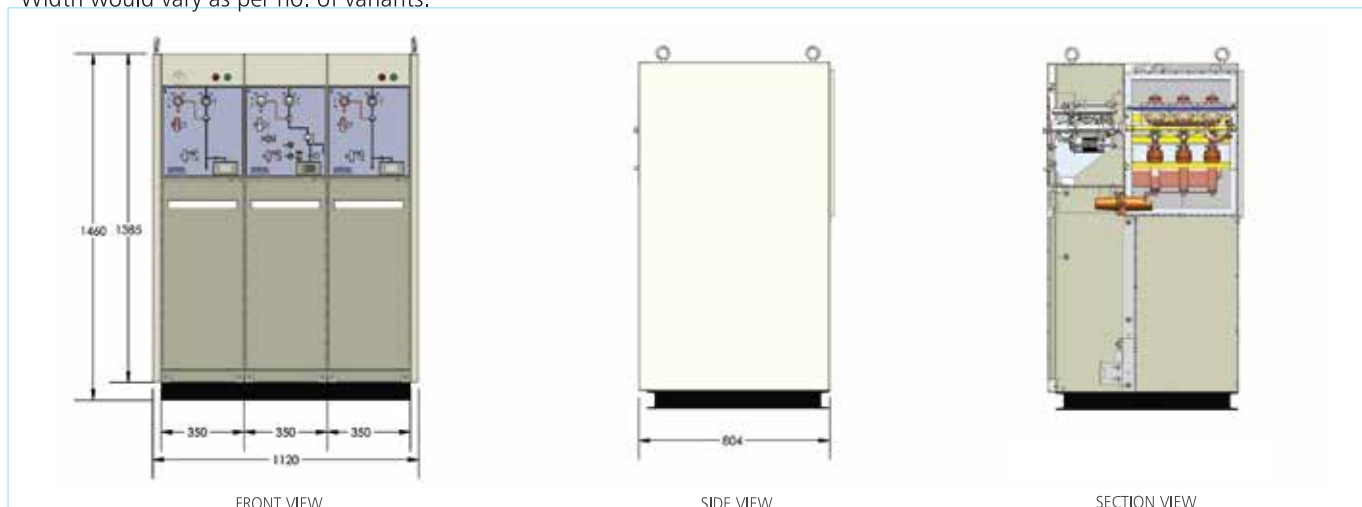
- Commercial Buildings: Hospitals, Hotels, Offices, Data Centres, Shopping Complexes
- Infrastructure: Airports, Underground Railway Stations, Ports
- Industries: Water Treatment Plants, Mining, Automotive, Iron & Steel
- Energy: Wind Power, Solar Power, Compact Substations



Technical Specifications

Parameters	Unit	SRMU12
Rated Voltage	kV	12
Rated Frequency	Hz	50/60
Rated Main Bus Bar Current	A	630
Rated Feeder Current	A	630
Rated Insulation Level	kV	28/75
VCB, LBS and ES Rated Short Time Current for 3 sec	kA	21
Rated Active Load Breaking Current to the LBS	A	630
Internal Arc Qualification	kA	21 kA for 1 sec AFLR
Rated Operating Sequence for VCB	kA	O-0.3s-CO-3 min-CO
Class		LBS- E3/M1 VCB E2/C1/M2/S2
Insulating Gas System		
Insulating Gas		SF6
Rated Gas Pressure Level	Bar	1.4 @ 20 deg C
Degree of Protection		
Gas Filled Compartment		IP 67
Enclosure		Outdoor -IP 54 Indoor- IP 4X
Panel Overall Dimensions		
Height (H)	mm	1385
Width (W)	mm	350*
Depth (D)	mm	804
Weight	Kg	LBS- 148 kg VCB- 183 kg
Applicable standard		IEC 62271-200

*Width would vary as per no. of variants.



Typical G.A Drawing for Ring Main Unit Panel