



Outdoor **Kiosk**

Control Your **Future**

Indoor Panel



with different rating & rupturing capacities





Outdoor **Kiosk** Indoor **Panel**

with different rating & rupturing capacities

Outdoor Kiosk



INTRODUCTION

HT Panels/Kiosks are used for providing Protection & Metering for HT feeders and is a vital link for electricity distribution.

ADVANTAGES

1. It's a complete Unit with Switching, Protection & Metering.
2. Compact size saves space.
3. Wherever required Kiosks are suitable to feed single phase as well as three phase load with safety protection.
4. If required kiosk/panels having Auto reclosing facility may be supplied, which is beneficial for Rural Areas.



We have made following rating Kiosk :

1. 11 KV VCB outdoor kiosk.
2. Current Rating 630/1250/1600/2000/2500 AMP.
3. Rupturing Capacity 16/20/25/31.5/40 KA.

Test Conducted on 11 KV Kiosk at CRPI / ERDA as per as IS Standard

1. Dielectric Tests.
 - a) Lightning Impulse Voltage Test. (75 KV Peak 1/20 us)
 - b) One minute Power Frequency Test (Dry 35 KV).
 - c) One minute Power Frequency Test (Wet 35 KV).
2. Mechanical Operation test as per M-2 class.
3. Temp. rise test at 630 A.
4. IP-55 tests for Kiosk.
5. Short time withstand current 16 kA for 3 sec.
6. Basic Short Circuit duties Test (1 to 5 & Assymetrical test duty).
7. Single phase short circuit Test
8. Out of Phase Making & Breaking Test.
9. Capacitive Current Switching Test.
 - a) Cable charging test.
 - b) Single capacitor bank current switching test.



Features & Principal Specifications of 11 KV, OUTDOOR KIOSK, VCB:

1. Size – 2462 (H) X 650 (W) X 950 (D) in mm
2. Surface Treatment – Hot 7 Tank Process & Epoxy Powder Coating
3. Type – Vacuum Circuit Breaker
4. Service & Protection Class – Outdoor & IP 55
5. Pole – 3
6. Rated Voltage & Frequency – 11/12 KV & 50 Hz
7. Rated Current – 630/1250/1600/2000/2500 Amps
8. Short Time Current Rating – 16/20/25/31.5/40 kA for 1 & 3 sec.
9. Rupturing Capacity – 16/20/25/31.5/40 kA
10. Operating Duty – 0-0.3 secs – CO – 3 Min – CO
11. System Neutral – Effectively Grounded
12. Auxiliary Supply – 230 V AC, 24/110/220 V DC

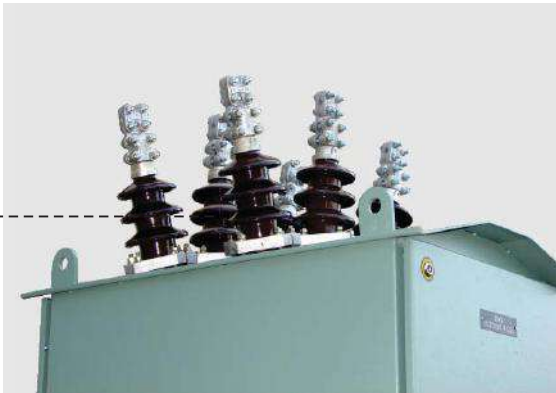


VCB :
 Fixed Type / Drawout type
 12KV, 630A, Breaking Capacity -16kA
 Provision of Remote Tripping
 Provision of Manual Emergency Tripping
 Spring Charging AC motor
 Shunt Tripping Coil
 VCB Interrupter



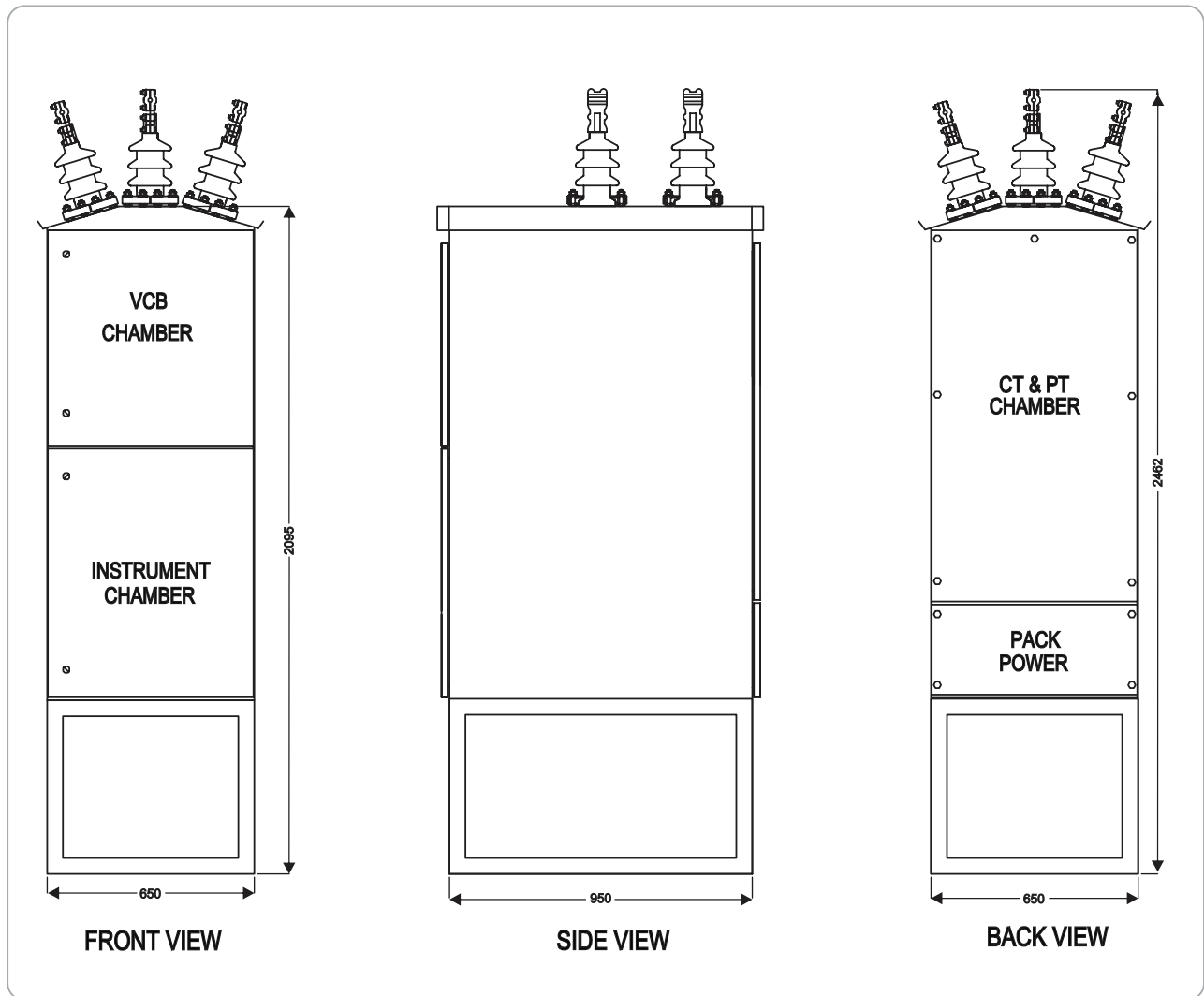
Outdoor Kiosk

12KV Procelain Bushings
 copper studs for incoming
 & outgoing Connection.



12 KV OUTDOOR KIOSK CONSTRUCTIONAL SPECIFICATION

1. Overall Dimensions :
2095/2462 mm (H) X 650 mm (W) X 950 mm (D)
2. Sheet Thickness :
3mm CRCA sheet for load bearing members.
2mm CRCA for non load bearing members.
3. Ingress Protection Class : IP55.
4. Door will be provided with door lock.
5. Bus Bar : Copper.
6. Earth Bus Bar Copper.
7. 6 Nos. Terminal Connectors suitable for ACSR will be supplied with each kiosk.
8. Door Gasket- PU Foam.
9. Fixed type Circuit Breaker with vacuum interrupter
10. Provision for Arcing Horns on the kiosk roof bushing.
11. Bus Support Insulator Epoxy Resin Cast.
12. Angle Structure for grouting kiosk on Plinth.



Indoor Panel



INTRODUCTION

Multipanel for indoor factory/substation use with metering for H.T. distribution.

ADVANTAGES

1. Can be Configured for Transformer/Feeder/ Generator Protection.
2. Compact size saves space.
3. Extensible type.

We have made following rating panels :

1. 11 KV VCB indoor panel.
2. Current Rating 630/1250/1600/2000/2500 AMP.
3. Rupturing Capacity 16/20/25/31.5/40 KA.

Test Conducted on 11 KV Kiosk at CRPI / ERDA

1. Dielectric Tests.
 - a) Lightning Impulse Voltage Test. (75 KV Peak 1/20 us)
 - b) One minute Power Frequency Test (Dry 35 KV).
 - c) One minute Power Frequency Test (Wet 35 KV).
2. Mechanical Operation test as per M-2 class.
3. Temp. rise test at 630 A.
4. IP-55 tests.
5. Short time withstand current 16 kA for 3 sec.
6. Basic Short Circuit duties Test (1 to 5).
7. Single phase short circuit Test.
8. Out of Phase Making & Breaking Test.
9. Capacitive Current Switching Test.
 - a) Cable charging test.
 - b) Single capacitor bank current switching test.

Features & Principal Specifications of 11 KV, INDOOR PANEL, VCB:

1. Size – 2300 (H) X 700 (W) X 1500 (D) in mm.
2. Surface Treatment – Hot 7 Tank Process & Epoxy Powder Coating.
3. Type – Vacuum Circuit Breaker, Drawout Type.
4. Service & Protection Class – Indoor & IP 54.
6. Rated Voltage & Frequency – 11/12 KV & 50 Hz.
7. Rated Current – 630/1250/1600/2000/2500 Amps.
8. Short Time Current Rating – 16/20/25/31.5/40 kA for 1/3 sec.
9. Rupturing Capacity – 16/20/25/31.5/40 kA.
10. Operating Duty – 0-0.3 secs – CO – 3 Min – CO.
11. System Neutral – Effectively Grounded.
12. Auxiliary Supply – 230 V AC, 24/110/220 VDC.



Control Cable Plug & Socket Control



Drawout VCB

VCB Trolley

O/C & E/F Relay

Volt Meter

TNC Switch



Indication Lamp

Ammeter

Push Button

Indoor Panel



PT Fuse

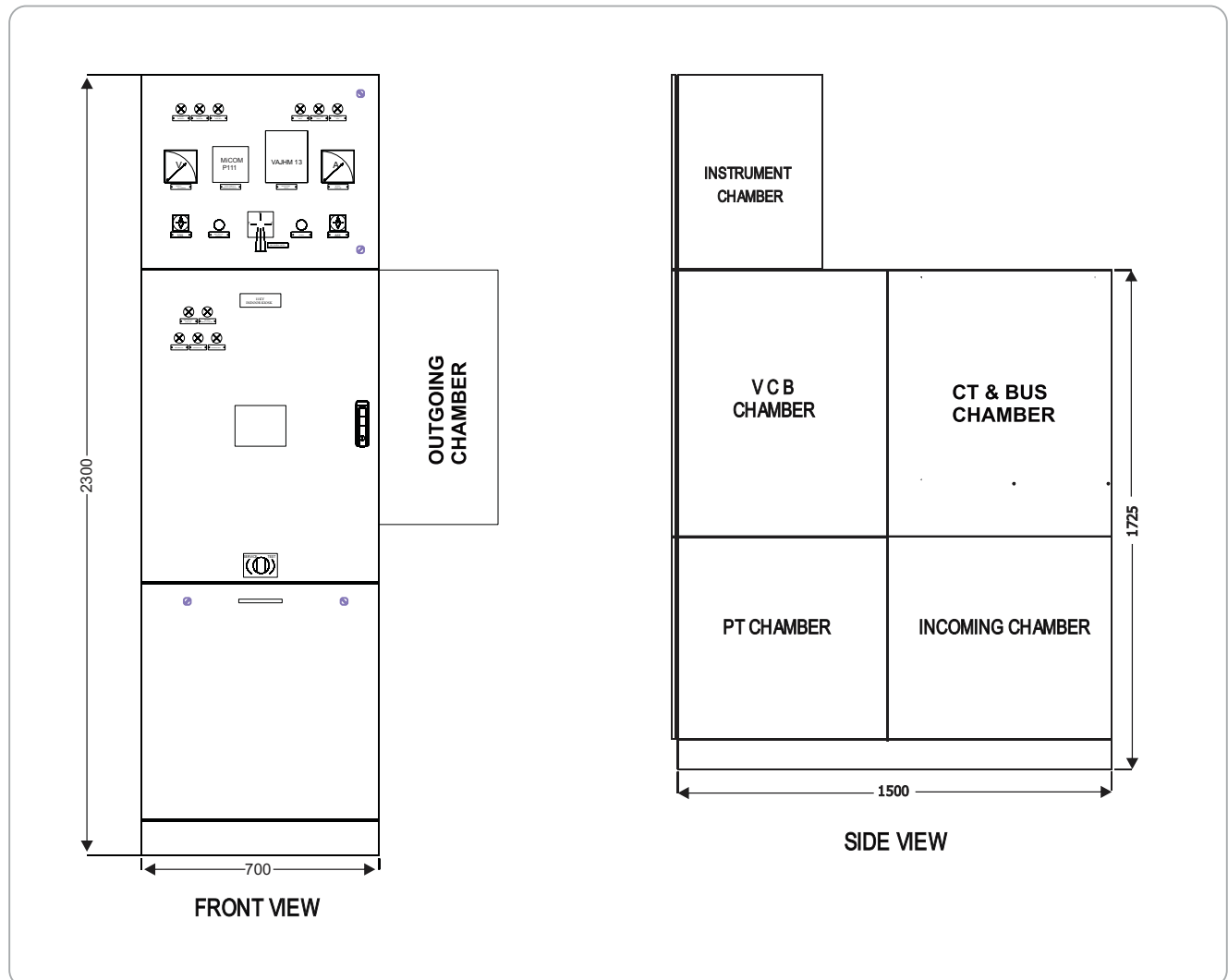
Space Heater

PT

PT Trolley

12 KV INDOOR KIOSK CONSTRUCTIONAL SPECIFICATION

- Overall Dimensions :
2300 mm (H) X 700 mm (W) X 1500 mm (D).
- Sheet Thickness :
3mm CRCA sheet for load bearing members.
2mm CRCA for non load bearing members.
- Ingress protection class : IP54.
- Door will be provided with door lock.
- Bus Bar : Copper.
- Earth Bus Bar Copper.
- Door Gasket- PU Foam.
- Drawout/Fix Type Vaccum Circuit Breaker with Interrupter.
- Bus Support Insulator Epoxy Resin Cast .
- Base frame with formed CRCA sheet / ISMC 100 channel.



Our Product Range

- | | | | |
|---|---|--|---|
| <ul style="list-style-type: none"> • Shelter • Mosaic Desk • Console Desk • Bare Panel IP-65 • PLC Panel • Mosaic Mimic Panel • Local Control Station • FRP Box | <ul style="list-style-type: none"> • LIE - LIR • Power Distribution Box • Purge & Ex-proof • Acrylic Mimic • NG / LAVT Cubicle • Generator Control Panel • MCC / PCC • CT Box | <ul style="list-style-type: none"> • Synchronization Panel • HT Panel • Large Video Screen • Networking Panel • Bare Panel IP-55 • Junction Box • Control & Relay Panels • Alcosy Control Desk | <ul style="list-style-type: none"> • Metering Panel • Metering Box • Marshalling Panels • EMI/RFI Compliant Panel • Universal Test Bench • Push Button Station • 19" Racks • Control Room Interiors |
|---|---|--|---|



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SOLAR PLANT



PYROTECH ELECTRONICS PVT. LTD. - UNIT IV

Pyrotech Electronics Pvt. Ltd was established in 1976 at Udaipur, Rajasthan having more than 35 years experience in Turnkey control room interiors, Mosaic Panels & Desks, Control Panels & Desks, other Industrial Panels, Junction Boxes & Racks and more than 10 years experience of Supply, Installation & Commissioning in video wall market. We have our reach to the Power , Energy G/D/T, Oil & Gas, Metal, Transport, Defense & Cement industries etc. .



An ISO 9001, EMS 14001, OHSAS 18001 Company

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