

APX Series

Pad-Mount Primary Metering



Quality. Versatility. Longevity

Catalog Nomenclature

APX362522-XXXX

APX Series
Primary Metering

1 Single Phase
3 Three Phase

2 200 Amp
6 600 Amp

15 15kV
25 25kV

11 1-Line, 1-Load
12 1-Line, 2-Load
21 2-Line, 1-Load
22 2-Line, 2-Load

Numerical Customer
Specific Enclosure

Product Application: To provide a metallic enclosure for housing industry standard IEEE 386 “dead front” elbows and associated apparatus, 15 through 25kV, 200 through 600 amperes and industry standard Live Front outdoor instrument transformers. The enclosure is normally mounted on a vault, pad or ground sleeve. The elbow interfaces are to be utilized in accordance with the specific apparatus manufacturers’ instructions and applicable codes. Installation shall be by qualified personnel trained in 15 through 25kV electrical distribution circuits. The equipment is primarily utilized by electrical utilities to provide a means of metering on distribution circuits.

Standard/Base Model Numbers and Features Pad-Mount Primary Metering Cabinet

- 60H x 79W x 54D, 22D Dead Front
- 12GA G90 Galvanized Steel
- Green Powder Coated Finish
- NEMA 3R Enclosure
- Ground Bus
- NEMA 260 Warning/Danger Label
- Lift Out CT Mtg. Plates
- Schematic
- Aluminum Nameplate

- GP0-3 Door Safety Barriers.

ADVANCED
Flip Top Roof!

Patent Pending



Optional Features

(Contact Factory Representative For More Information)

- 12 Gauge 304 or 316 Stainless Steel
- Custom Color Match Powder Coat
- Clear Door Safety Barriers
- Meter Socket and Test Switch Installed
- Instrument Transformers Installed
- Secondary Wiring Installed
- Anti-Condensation Coating
- Without Exterior Hazard Labels – Utility Supplied
- ANSI Z535 Hazard Labels (Replaces MR OUCH)
- Customer Specific Labeling
- Inserts Installed in 200A Wells
- Special Wiring Color Codes

Transformer Installation Instructions

Note: This instruction outlines the recommended general installation procedure. For installation, by qualified person, as defined by all local electrical codes and /or the National Electrical Code ®.

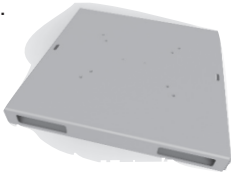


Recommended Torque Rating Values (For Electrical Connections)

Socket Size	Bolt	Torque
3/8" or 7/16"	1/4"	50-60 IN-LBS
1/2"	5/16"	130-140 IN-LBS
9/16"	3/8"	210-230 IN-LBS
3/4"	1/2"	520-580 IN-LBS

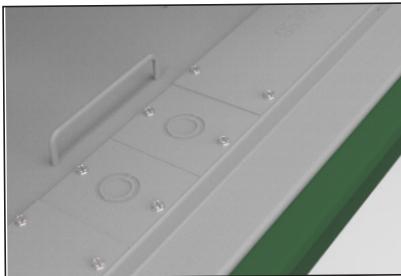
Step 1. Open all doors, using penta-wrench. Lift flip-top roof, (2) person operation. Remove clear door barriers on live-front side,(3) places.

Step 2. Unfasten and remove CT plates from top shelf, and any copper bus if included. Retain all hardware.



Step 3. Lift and slide out removable phase barriers.

Step 4. Remove the CT and VT wire way plates. Retain all hardware.

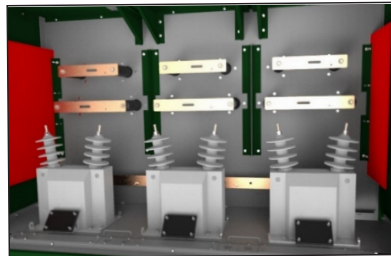


Step 5. Remove desired knockout size from wire way knockout plates.

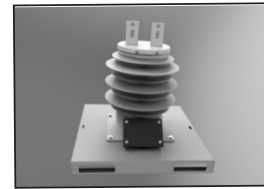
Step 6. Install desired type of grommet, connector or conduit to knockout wire way plates.

Step 7. Run secondary wiring to specific transformer location, verify wire is run through correct knockout plate.

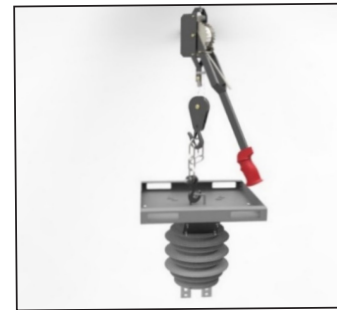
Step 8. Using hoist, install the VT to specific location, (required bolt size: 5/16-18), (3) places.



Step 9. Obtain removable CT plate and CT. Bolt Ct to plate on flat side, (required bolt size: 5/16-18), (3) places.



Step 10. Flip CT plate and CT over to use hoist on hook. Position CT/CT plate to desired location, using existing hardware from Step 3.



Step 11. If desired, attach connectors or conduit to CT and VT junction boxes for secondary wire.

Step 12. Connect the secondary wire to each connector located in junction boxes of each transformer, (6) places.

Step 13. Verify wire connections on CTs, VTs, and to each metering device. Review color designation and connection points. Remove shunt connection form CTs.

Step 14. Reinstall wire way plates using hardware from Step 5.

Step 15. Install primary copper bus to CTs and VTs using hardware from Step 2.

Step 16. Verify torque rating values per Torque Table.

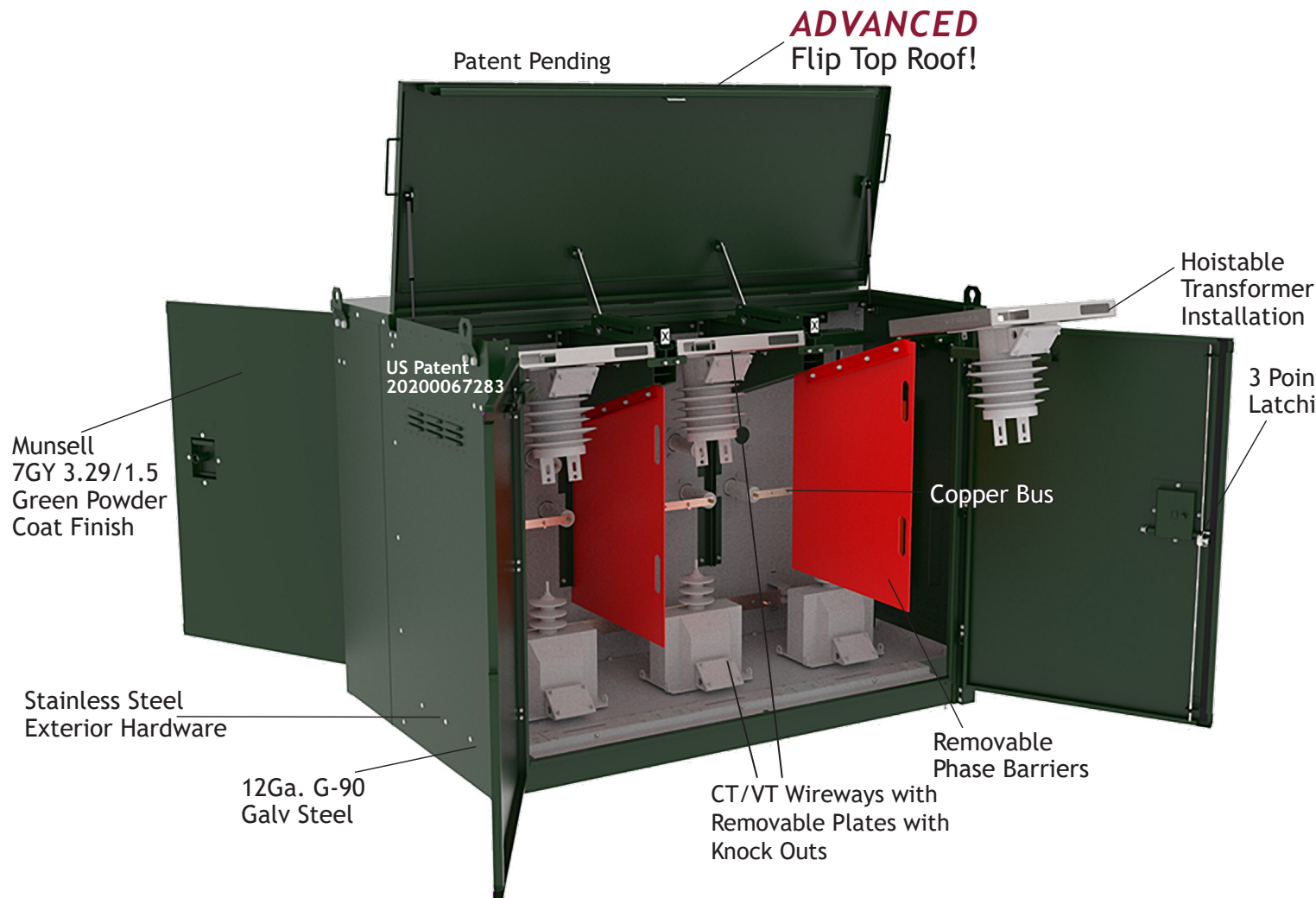
Step 17. Insure air to air clearances for correct voltage application. Confirm no obstructions are present.

Step 18. Reinstall phase barriers and clear door barriers.

Step 19. Close flip-top roof, (2) person operation.



Standard Features



Proudly Engineered, Designed, and Manufactured in the U.S.A.

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