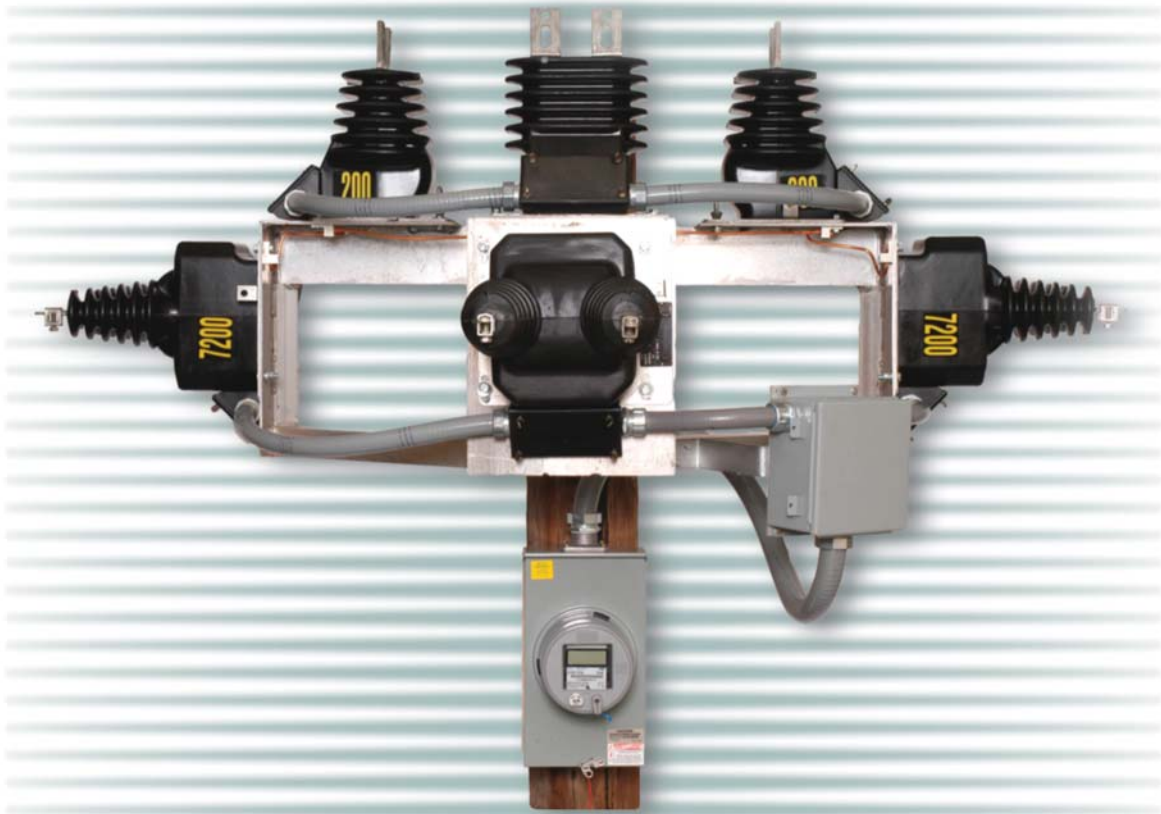


# Type PMU Primary Metering Unit

Three-Phase, Dry Type, Outdoor

Product Bulletin 1VAP429981-DB



**ABB**

## Product Features

- Three-phase
- Dry type
- For outdoor use
- 60 kV - 200 kV BIL available
- 50/60 Hertz
- Configurations available:

Three-phase, four-wire:

3 CT's & 3 VT's

3 CT's & 2 VT's

Three-phase, three-wire:

2 CT's & 2 VT's

## Application

Primary metering units are designed for three-phase primary metering applications. They consist of current transformers (CTs) and voltage transformers (VTs) mounted on an aluminum frame and wired to a terminal strip inside of a NEMA 3R junction box. The assembly is then equipped for pole mount installation. Medium voltage instrument transformer combinations are available in voltage classes from 5 to 34.5 kV. See the table below for CT and VT types offered.

## PMU Assembly

Stainless steel hardware is used throughout the construction. All secondary wiring is 10 AWG THHN/THWN wire enclosed in 1" flexible, liquid-tight, armored conduit. The secondary wiring is then terminated within a NEMA 3R junction box on a screw-type terminal strip. Each instrument transformer has its own nameplate and a connection diagram is available for each transformer combination.

## Transformer Ratios

Single-ratio instrument transformers are the standard offering. Secondary tapped transformers are also available to provide additional connection options.

## Mounting Bracket

The mounting bracket is constructed of aluminum plate and extrusions welded together for strength. A pre-punched channel is provided to accommodate <sup>5</sup>/<sub>8</sub>" through-bolts for pole mounting.

## Test Reports

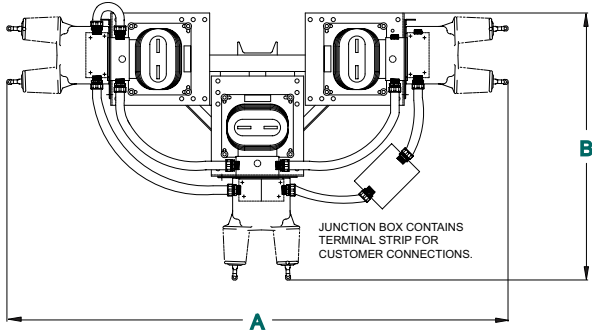
Test reports are available for individual CTs and VTs and can be e-mailed in various formats at the time of shipment.

PMU Rating	CT Types Available	VT Types Available
5 kV	KOR-60, KOR-75	VOY-60
15 kV	KON-11, KOR-11	VOY-11, VOZ-11, VOG-11
25 kV	KOR-15C	VOY-15, VOY-15G, VOZ-15, VOZ-15G
34.5 kV	KOR-20	VOY-20, VOY-20G, VOZ-20, VOZ-20G

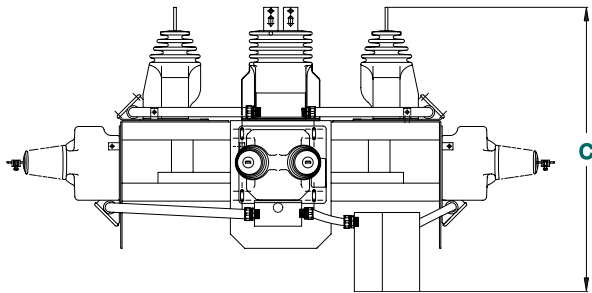
Choose one type CT and one type VT.

## Typical Configurations Available

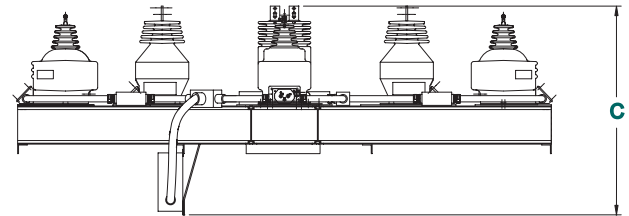
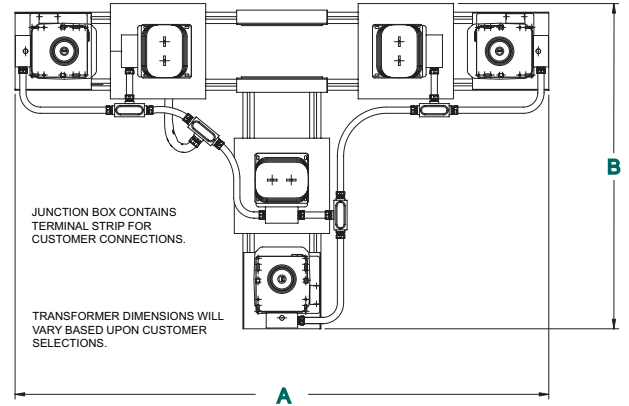
### 5-15 kV Unit



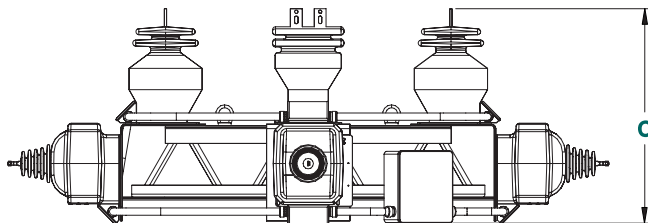
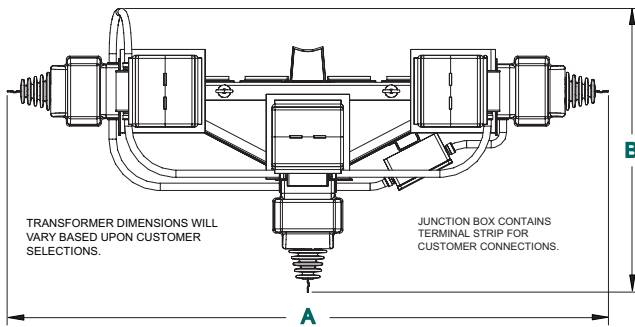
TRANSFORMER DIMENSIONS WILL  
VARY BASED UPON CUSTOMER  
SELECTIONS.



### 34.5 kV Unit



### 25 kV Unit



PMU Rating (kV)	Unit Dimensions						Weight (lbs)
	A		B		C		
	(in)	(mm)	(in)	(mm)	(in)	(mm)	
5-15	76	1930	41	1041	33.5	851	510
25	101	2565	48	1220	36	914	900
34.5	112	2845	68.25	1734	43.8	1113	980



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