Type PMU Primary Metering Unit

Three-Phase, Dry Type, Outdoor
Product Bulletin 1VAP429981-DB
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 ⅜" 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.

<table>
<thead>
<tr>
<th>PMU Rating</th>
<th>CT Types Available</th>
<th>VT Types Available</th>
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</thead>
<tbody>
<tr>
<td>5 kV</td>
<td>KOR-60, KOR-75</td>
<td>VOY-60</td>
</tr>
<tr>
<td>15 kV</td>
<td>KON-11, KOR-11</td>
<td>VOY-11, VOZ-11, VOG-11</td>
</tr>
<tr>
<td>34.5 kV</td>
<td>KOR-20</td>
<td>VOY-20, VOY-20G, VOZ-20, VOZ-20G</td>
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</tbody>
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Choose one type CT and one type VT.
Typical Configurations Available

5-15 kV Unit

JUNCTION BOX CONTAINS TERMINAL STRIP FOR CUSTOMER CONNECTIONS.

TRANSFORMER DIMENSIONS WILL VARY BASED UPON CUSTOMER SELECTIONS.

25 kV Unit

JUNCTION BOX CONTAINS TERMINAL STRIP FOR CUSTOMER CONNECTIONS.

34.5 kV Unit

JUNCTION BOX CONTAINS TERMINAL STRIP FOR CUSTOMER CONNECTIONS.

TRANSFORMER DIMENSIONS WILL VARY BASED UPON CUSTOMER SELECTIONS.

### Typical Configurations Available

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