GENERAL INFORMATION

Overhead Primary Metering Assemblies (OPMA) are one of the many custom offerings available from GE-ITI. Every OPMA is manufactured to each customer’s specific requirements with multiple configurations offered. CT/VT combinations are provided pre-assembled on an aluminum frame and wired to a conduit box. More complex value-added services available upon request. Available in HCEP or Hy-Bute-60 Butyl Rubber insulation, w/standard or high accuracy.

OVERHEAD PRIMARY METERING TABLE

<table>
<thead>
<tr>
<th>OPMA Rating</th>
<th>VT Types Available</th>
<th>CT Types Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>5kV, 60kV BIL</td>
<td>JVW-3</td>
<td>JCK-3, JKW-3</td>
</tr>
<tr>
<td>8.7kV, 75kV BIL</td>
<td>JVW-4</td>
<td>JCK-4, JKW-4</td>
</tr>
<tr>
<td>15kV, 110kV BIL</td>
<td>JVW-5, JVW5C, JVW110, JVW-110C</td>
<td>JCK-5, JCK-5C, JKW-5, JKW-5C</td>
</tr>
<tr>
<td>25kV, 125-150kV BIL</td>
<td>JVW-6</td>
<td>JKW-6</td>
</tr>
<tr>
<td>34.5kV, 150-200kV BIL</td>
<td>JVW-7</td>
<td>JKW-7</td>
</tr>
</tbody>
</table>
VT/CT Construction
Insulation - Hy-Bute-60 Butyl Rubber or Hydroaliphatic Expoy (HCEP)
Baseplate - Heavy gage marine grade aluminum
Conduit box - Cast aluminum, removable, 1” threaded hubs
Nameplate - Anodized aluminum
Mounting - Horizontal, Vertical, Inverted

OPMA Construction
Mounting bracket - Aluminum plate with welded extrusions
Pole Mount - Thru-bolt mounting standard to accommodate two 5/8” bolts
Hardware - Stainless Steel hardware
Wiring - 10 AWG THHN/THWN within 1” flexible conduit
Junction box - NEMA 3R with wire terminations on a screw-type terminal strip

VALUE-ADDED SERVICES
- Build for overhead-to-overhead (CT’s on top) or overhead-to-underground (VT’s on top) applications
- Install HV jumpers between CT’s and VT’s
- Install HV pigtails to CT’s / VT’s (5 kV riser wire, #2 CU or user specified)
- Prewired meter socket and test switches with user specified length of control cable
- Wire directly from last IT to meter socket, or provide junction box on PMS
- Insulate and protect from wildlife all HV connections and pigtails
- Install and connect one set of surge arresters on HV connections
- Wire per customer color codes and wire types/sizes

To purchase or obtain more information about GE Instrument Transformer products, please call GE Multilin at 1-800-547-8629. Product information is also available on our web site at [http://www.GEDIGITALENERGY.COM](http://www.GEDIGITALENERGY.COM). Click on the Product Index button (right column), select Transformers and follow the menus to Product Information or a Solutions Advisor.
KV CLASS | DIM. "A" | DIM. "B" | DIM. "C"
--- | --- | --- | ---
5/15 kV | 75.25" | 39.88" | 30.13"
25 kV | 86.88" | 48.50" | 34.88"
35 kV | 89.00" | 49.50" | 34.88"

Please refer to our website www.GEDIGITALENERGY.COM for more detailed contact information.
OPMA ORDER CHECKLIST

PLEASE FILL OUT WITH REQUIREMENTS AND SUBMIT FOR QUOTATION

Assembly options:

System voltage (phase-to-phase) and type (delta, Wye, or grd. Wye) _______kV ________ Type
Meter form to be used (i.e. form 3S, 4S, 9S, 36S, 45S, 56S, 10A, etc.)
Overhead-to-overhead configuration or overhead-to-underground configuration _______OH-OH ________OH-UG
Max. Primary Current, amps (CT ratio x RF): i.e. 150 A for 50:5 w/ RF=3, see note 1 _______Amps
VT ratio (i.e. 60:1) see note 2 _______:1
HV surge arresters: heavy duty is standard, specify duty cycle (kV), i.e. 18 kV Yes No ________ kV
Protected HV Jumpers between CT and VT (5 kV riser wire, insulated terminals) Yes No
Protected HV pigtails to overhead lines (5 kV riser wire, insulated terminals), see note 3 Yes No
Install and connect one set of surge arresters on HV connections Yes No

Secondary Wiring (see notes 5 below):

Option A: Wire to junction box and leave 25 feet from JB with a 3 ft. pigtail of 1" flex (note 4 below) Yes No
Option B: stub out 30 feet of control cable from last transformer in loop Yes No
Option C: Wire to junction box only Yes No
Include prewired meter socket and test switch (requires option A or B above) For shipping purposes, leads will be disconnected from socket to allow customer to feed through his conduit; socket wil have a 1" hub on top) Yes No
Meter (User Specified) Yes No
Desire LV leads to be reversed on one CT to avoid crossing incoming and outgoing primary leads? Yes No

Notes:

1 CT rating factor to be used will be based on 30oC ambient unless specified higher.
2 VT’s will be 2-bushing unless otherwise specified.
3 Maximum current capacity for HV pigtails is 250 amps with 1/0 str. copper.
4 Standard secondary configuration is to bring all leads continuously through 1” flexible conduit to a junction box with terminal blocks (shorting type for CT’s). A 3” stub of 1” flex will be left from the junction box with a 1” male threaded nipple for later insertion onto 1” conduit.
5 Standard secondary conductor is 12/7 type TC cable, 30 feet from junction box to end, coiled up. When meter socket is specified, it will be prewired and the color code for the incoming controll wiring will be clearly marked.

Special Comments: