Product features
- 15 kV, outdoor
- 110 kV BIL, 60 Hertz
- Primary volts: 7200 - 8400
- Electrical clearances:
  Strike: 10.3" (262 mm)
  Creep: 24.7" (627 mm)
- Approximate weight: 45 lbs (20 kg)

Application
The VOG-11 outdoor voltage transformer is designed for metering line-to-ground circuits. The single centered bushing and reduced neutral end insulation permit a significant reduction in size and installation spacing, while maintaining full 110 kV BIL insulation clearances.

Construction features
The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution. Each coil is carefully insulated with mylar film to provide a high dielectric medium between layers. The complete winding structure is then assembled to a support frame.

For insulation and protection, the assembly is cast in hydrophobic cycloaliphatic epoxy (HCEP) using automatic pressure gelation. The HCEP material offers superior arc track, ozone, and ultraviolet-resistive properties while maintaining physical strength. The hydrophobic surface properties of HCEP ensure highly reliable performance in wet, humid, or polluted environments.

Terminals
The electro-tin plated primary H1 bushing terminal accommodates #10 to 250 MCM conductors. The H2 neutral terminal is insulated to withstand a 10 kV test level. It can be disconnected from the external ground cable for power factor measurement. The ground connection can be rotated 90° for ease of connection.

Clamp-type secondary terminals accommodate #14 through #3 wire. A ground terminal is also provided for grounding the secondary circuit at the transformer.

Junction box
The junction box has a 1" conduit hub on either end and a knock out for a 1" conduit fitting on the bottom. The box is anchored to the body of the transformer with screws and can be easily detached, simplifying installation and change-out procedures.

Baseplate
The base is constructed of corrosion-resistant aluminum and secured to the encapsulated base support by symmetrically located screws.

Mounting
The VOG-11 can be mounted in upright, cantilever, or upside-down positions. Stress relief devices should be used to support cable connections.

Test reports
Test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

Standards
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.
Unit dimensions

![Unit dimensions diagram](image)

Baseplate dimensions

![Baseplate dimensions diagram](image)

Selection guide

<table>
<thead>
<tr>
<th>Primary voltage</th>
<th>Secondary voltage</th>
<th>Winding ratio</th>
<th>Metering accuracy</th>
<th>Style number</th>
</tr>
</thead>
<tbody>
<tr>
<td>7200/12470GY</td>
<td>120</td>
<td>60:1</td>
<td>0.3 W, X, M, &amp; Y</td>
<td>E-7525A95G01</td>
</tr>
<tr>
<td>7620/13200GY</td>
<td>120</td>
<td>63:7:1</td>
<td>0.3 W, X, M, &amp; Y</td>
<td>E-7525A95G02</td>
</tr>
<tr>
<td>8400/14560GY</td>
<td>120</td>
<td>70:1</td>
<td>0.3 W, X, M, &amp; Y</td>
<td>E-7525A95G03</td>
</tr>
</tbody>
</table>

Thermal rating at 30°C: 1000

Rated voltage factor (RVF): 1.1

Additional styles available upon request. Contact your ABB sales representative or call +1-252-827-3212 for more information.

Optional accessories

- Vertical mounting with mounting brackets & back-up plates:
  - Mounting bracket: 463C035G02
  - Back-up plate: 28D2876G01
- Vertical mounting with mounting brackets and hangers:
  - Mounting bracket: 463C035G02
  - Hangers: 261A233G01
- Vertical mounting with channel brackets for tandem mounting of voltage and current transformers:
  - Channel bracket: 332B955G02
- Horizontal mounting with hangers:
  - Hangers: 261A233G01

For more information please contact:

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