**Product features**

- 25 kV outdoor
- 150 kV BIL, 60 Hertz
- Primary volts: 7200 - 24940
- Electrical clearances:
  - VOY-15 strike: 15.25" (387 mm)
  - VOY-15 creep: 38.00" (965 mm)
  - VOY-15G strike: 11.25" (286 mm)
  - VOY-15G creep: 33.60" (853 mm)
- Approximate weights:
  - VOY-15: 125 lbs (57 kg)
  - VOY-15G: 120 lbs (54 kg)

**Application**

The VOY-15 and VOY-15G outdoor voltage transformers are designed for solid state relaying and electronic metering where the burden of the device is negligible.

**Construction features**

The layer wound and shielded high voltage winding is designed to withstand continuous operation at ratings higher than the line-to-ground voltage level when applied on a 25 kV, 150 kV BIL system. Refer to the Selection Guide for the rated voltage factor (RVF). Two cores placed through and around the windings are protectively cushioned and secured 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 properties of HCEP ensure a high level of performance in wet or humid environments.

**Terminals**

Electro-tin plated copper primary line terminals accommodate #10 to 250 MCM conductors. The H2 neutral terminal of the VOY-15G is insulated to withstand a 19 kV test level and can be disconnected from the external ground cable for power factor measurement.

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 is secured to the encapsulated base support.

**Mounting**

The VOY-15 and VOY-15G 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**

These units can be tested to all applicable IEEE, CSA, or IEC standards as requested.
Dimensions

Type VOY-15

Type VOY-15G

Baseplate dimensions
### Selection guide

<table>
<thead>
<tr>
<th>Primary voltage</th>
<th>Secondary voltage</th>
<th>Winding ratio</th>
<th>IEEE metering accuracy</th>
<th>Rated voltage factor</th>
<th>Thermal rating @ 30° C</th>
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Additional styles available upon request. Contact your ABB sales representative or call +1-252-827-3212 for more information.

Note: 50 Hz designs available.