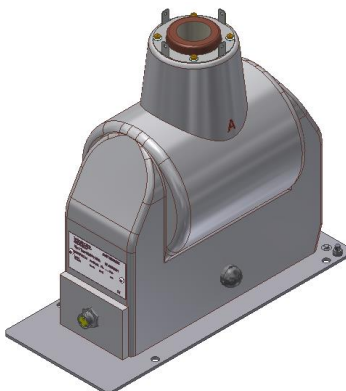


**SUBMERSIBLE VOLTAGE TRANSFORMERS –  
SINGLE BUSHING L-N - E..G..W SERIES.  
DUAL BUSHING L-L - U..G..W SERIES.**

**PATENTED**

**MAIN FEATURES**

- . Submersible Use.
- . Available in single and dual bushing.
- . Rugged Design.
- . Self-extinguishing epoxy housing.
- . Provides 120V<sub>AC</sub> source for equipment panel power needs.
- . Metering Class down to 0.3
- . High Voltage levels from 2.4 kV. to 35kV.
- . Explosion proof (secondary fault)
- . Primary connection is a 200A plug-in connector 15/25/35kV. compatible with elastimold™ 200A connectors (IEEE 386).



**CONSTRUCTION**

Silicon steel core with Hi-grade copper winding

Submersible to 10ft – 10 days.

Secondary IP67 rated connector.

Dead-front metalized conductive housing provides for a safe and durable design.

The submersible epoxy resin package has been designed to meet the severe requirements of potentially flooded areas or underground switchgear with eventual infiltrations.

**Technical data**

|                           |                                              |
|---------------------------|----------------------------------------------|
| Standards                 | IEEE C57-13                                  |
| Insulation Level          | Up to 35kV L-L - 21.1kV L-G                  |
| Frequency                 | 60Hz – other upon request                    |
| Ambient Temperature Range | -25°C to +70°C / -10°F to +160°F             |
| Secondary Terminals       | IP67 – 316 Stainless Steel Connector & Cable |

**Options**

**Installation**

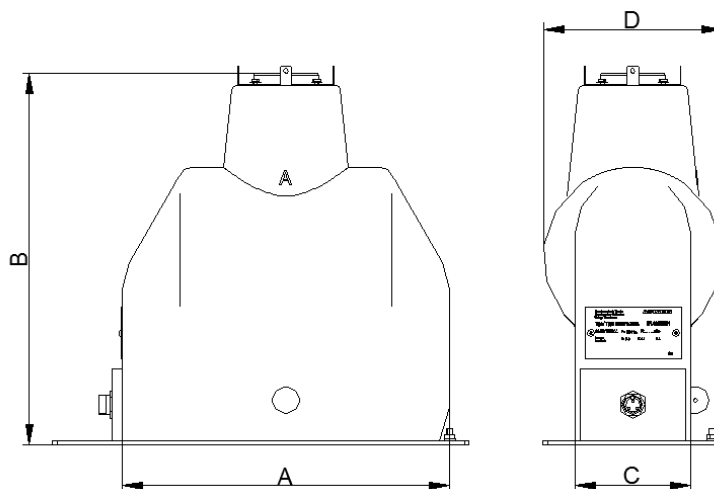
- Never install VT on live voltage. Always make sure line is OFF.
- Never short-circuit secondary.

**SUBMERSIBLE VOLTAGE TRANSFORMERS –  
SINGLE BUSHING L-N - E..G..W SERIES.  
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**SINGLE BUSHING L-G Voltage Transformer**

*Drawings*



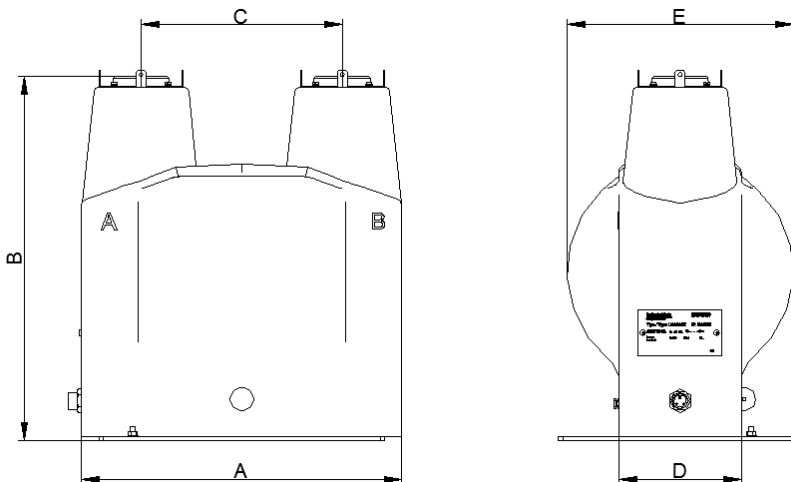
*Dimensions*

| Type   | Weight<br>lbs | A<br>in | B<br>in | C<br>in | D<br>in |
|--------|---------------|---------|---------|---------|---------|
| E..G2W | 88            | 13.39   | 15.20   | 4.72    | 7.32    |
| E..G5W | 139           | 15.04   | 17.83   | 5.75    | 10.63   |

*Technical Specification*

| Line-to-Ground                      | PTE15                                            |                                             | PTE25                                             |                                             | PTE35                                               |                                           |
|-------------------------------------|--------------------------------------------------|---------------------------------------------|---------------------------------------------------|---------------------------------------------|-----------------------------------------------------|-------------------------------------------|
| TYPE                                | E15G2W                                           | E15G5W                                      | E25G2W                                            | E25G5W                                      | E35G2W                                              | E35G5W                                    |
| Description                         | 15kV Class Voltage Transformer<br>95kV BIL Rated |                                             | 25kV Class Voltage Transformer<br>125kV BIL Rated |                                             | 34.5kV Class Voltage Transformer<br>150kV BIL Rated |                                           |
| Operating Voltage<br>Line-to-Ground | 7.0-7.6 kV.                                      |                                             | 13.2-14.4 kV                                      |                                             | 19.1-20.7 kV                                        |                                           |
| Output Voltage                      | 116-127 V <sub>AC</sub>                          |                                             | 115-125 V <sub>AC</sub>                           |                                             | 115-125 V <sub>AC</sub>                             |                                           |
| BIL Impulse<br>Withstand            | 95 kV.                                           |                                             | 125 kV.                                           |                                             | 150 kV.                                             |                                           |
| DELTA / WYE                         | WYE                                              |                                             | WYE                                               |                                             | WYE                                                 |                                           |
| Turns Ratio                         | 60:1                                             |                                             | 115 :1                                            |                                             | 166 :1                                              |                                           |
| Insulation Class                    | E                                                |                                             | E                                                 |                                             | E                                                   |                                           |
| Frequency                           | 60 Hz.                                           |                                             | 60 Hz.                                            |                                             | 60 Hz.                                              |                                           |
| Standard applied                    | IEEE Std. C57.13-2016                            |                                             | IEEE Std. C57.13-2016                             |                                             | IEEE Std. C57.13-2016                               |                                           |
| Ambient Temperature                 | -25°C / +70°C   -10°F / + 160°F                  |                                             | -25°C / +70°C   -10°F / + 160°F                   |                                             | -25°C / +70°C   -10°F / + 160°F                     |                                           |
| Weight                              | 57lbs(26kg)                                      | 139lbs(63kg)                                | 57lbs(26kg)                                       | 139lbs(63kg)                                | 57lbs(26kg)                                         | 139lbs(63kg)                              |
| Rated Output<br>Thermal Burden      | 750 VA.                                          | 1500 VA.                                    | 750 VA.                                           | 1500 VA.                                    | 750 VA.                                             | 1500 VA.                                  |
| Accuracy : up to                    | 0.3 W X<br>0.6 W X M<br>1.2 W X M Y Z            | 0.3 W X M<br>0.6 W X M Y<br>1.2 W X M Y Z Z | 0.3 W X<br>0.6 W X M<br>1.2 W X M Y Z             | 0.3 W X M<br>0.6 W X M Y<br>1.2 W X M Y Z Z | 0.3 W<br>0.6 W X<br>1.2 W X M Y                     | 0.3 W X M<br>0.6 W X M Y<br>1.2 W X M Y Z |

**SUBMERSIBLE VOLTAGE TRANSFORMERS –**  
**SINGLE BUSHING L-N - E..G..W SERIES.**  
**DUAL BUSHING L-L - U..G..W SERIES.**


**DUAL BUSHING L-L Voltage Transformer**
*Drawings*

*Dimensions*

| Type   | Weight<br>lbs | A<br>in | B<br>in | C<br>in | D<br>in | E<br>in |
|--------|---------------|---------|---------|---------|---------|---------|
| U..G5W | 132           | 15.04   | 17.08   | 9.44    | 5.75    | 10.63   |

*Technical Specification*

| Line-to-Line                        | PTU15                                            |              | PTU25                                             |              | PTU35                                               |              |
|-------------------------------------|--------------------------------------------------|--------------|---------------------------------------------------|--------------|-----------------------------------------------------|--------------|
| TYPE                                | U15G5W                                           |              | U25G5W                                            |              | U35G5W                                              |              |
| Description                         | 15kV Class Voltage Transformer<br>95kV BIL Rated |              | 25kV Class Voltage Transformer<br>125kV BIL Rated |              | 34.5kV Class Voltage Transformer<br>150kV BIL Rated |              |
| Operating Voltage<br>Line-to-Ground | 7.0-7.6 kV.                                      |              | 13.2-14.4 kV                                      |              | 19.1-20.7 kV                                        |              |
| Output Voltage                      | 116-127 V <sub>AC</sub>                          |              | 115-125 V <sub>AC</sub>                           |              | 115-125 V <sub>AC</sub>                             |              |
| BIL Impulse<br>Withstand            | 95 kV.                                           |              | 125 kV.                                           |              | 150 kV.                                             |              |
| DELTA / WYE                         | DELTA                                            |              | DELTA                                             |              | DELTA                                               |              |
| Turns Ratio                         | 60:1                                             |              | 115 :1                                            |              | 166 :1                                              |              |
| Insulation Class                    | E                                                |              | E                                                 |              | E                                                   |              |
| Frequency                           | 60 Hz.                                           |              | 60 Hz.                                            |              | 60 Hz.                                              |              |
| Standard applied                    | IEEE Std. C57.13-2016                            |              | IEEE Std. C57.13-2016                             |              | IEEE Std. C57.13-2016                               |              |
| Ambient Temperature                 | -25°C / +70°C   -10°F / + 160°F                  |              | -25°C / +70°C   -10°F / + 160°F                   |              | -25°C / +70°C   -10°F / + 160°F                     |              |
| Weight                              | 57lbs(26kg)                                      | 139lbs(63kg) | 57lbs(26kg)                                       | 139lbs(63kg) | 57lbs(26kg)                                         | 139lbs(63kg) |
| Rated Output<br>Thermal Burden      | 750 VA.                                          | 1500 VA.     | 750 VA.                                           | 1500 VA.     | 750 VA.                                             | 1500 VA.     |
| Accuracy : up to                    | 0.3 W X M<br>0.6 W X M Y<br>1.2 W X M Y Z        |              | 0.3 W X M<br>0.6 W X M Y<br>1.2 W X M Y Z         |              | 0.3 W X<br>0.6 W X M<br>1.2 W X M Y                 |              |