



2869 South West Temple
 Salt Lake City, UT 84115
 Phone (801) 433-4100
 Fax (801) 433-4960
 specialtytransformers.com

POTENTIAL EQUIPMENT TRANSFORMERS (PETs)

Potential Equipment Transformers are used as control or distribution transformers in areas of low load density, and are an excellent and economical alternative to 5 and 10 kVA units when only ½ to 3 kVA power is needed.

- ½, 1, 2 or 3 kVA
- Primary voltages of 120 to 34500GRDY/19900
- Secondary voltages of 120, 240, 240/120
- Single rated primary voltages
- Pole type
- One hanger bracket
- Lifting lugs
- Copper windings
- Wildlife protectors
- Core loss lower than 5 or 10 kVA substitute
- 95 & 125 kV BIL ratings
- Pressure relief valve
- Build to C57.12.90 ANSI standards
- Paint meets or exceeds ANSI or IEEE finishing guidelines for pole type units

OPTIONS

- Dual rated primaries (7200/7620, 7620/7980, 12000/16340 or 13200/13800)
- One or two high voltage porcelain bushings
- One, two or three low voltage bushings, or bendix connector
- High voltage handwheels
- 3000 amp weak link fuse
- Two hanger brackets
- Special design to meet customer's needs

APPLICATIONS

- Underground vaults
- Pumping
- Capacitor bank control
- Power for reclosers
- Oil switches
- Street Lighting
- Sign Lighting
- Highway intersection lighting
- Interchangeable with fixed load transformers and special purpose transformers

CONSTANT CURRENT REGULATORS (CCRs)

Constant current transformers maintain a constant current in the complete series loop circuit as required for operating series roadway lighting equipment. These units provide accurate regulation. Integral construction features a parallel-motion mechanism which maintains current within one percent of rated value at any load from zero to full load. Secondary current is accurately adjusted and the complete unit is thoroughly tested at the factory.

STANDARD FEATURES

- 5, 10, 15, 20, 25, 30, 40 and 50 KW
- Primary voltages 120V – 13800V
- Secondary current of 6.6A or 20A
- Sidewall or cover mount primary bushings
- Pole, platform or floor mount
- CPH – stand alone unit
- CSPH – self protected unit
- Copper windings
- Long serviceable life
- Moving coil assembly
- ANSI #70 paint
- Skid mounted for shipment
- Diala AX Transformer oil

OPTIONS

- Add non-standard accessories (arrestors, pressure relief valve, 12kV Oil switch, gauges, relays)
- Dual voltages
- Stainless steel tank
- Export crating

APPLICATIONS

- High efficiency street and highway lighting systems connected in series
- Military bases
- Government facilities (prisons, VA hospitals)
- Utilities – IOU's, REA's, Municipalities
- Area or perimeter lighting

CAPACITOR BLOCKING UNITS (CBUs)

CBUs are used to prevent loss of high-frequency power line communication signals through capacitor banks.

PRODUCT ATTRIBUTES

Rating	Currents of 15, 30, 35, 60 & 85 amps designed for 125kV BIL, special millihenries available.
Mounting	Pole
Construction	Distribution-style tank fitted with a standard NEMA hanger and chime ring cover construction

APPLICATIONS

- A high impedance inductor that prevents distribution line carrier signals from being shunted to ground through grounded distribution capacitors
- Provides low impedance to ground at 60 hertz power frequency, but a high impedance to ground to the carrier signal.
- Designed to withstand the switching duty imposed by switched capacitor banks and fault currents that may be associated with capacitor failures.
- A single CBU is needed for each phase of a single bushing, ground capacitor bank.
- The three-phase bank composed of two bushing capacitors may be blocked with a single CBU placed in the common or neutral of the capacitor bank.