

# Transformer Solutions for Any Application



## ONE LEGACY. PROVIDING OUR CUSTOMERS DEPENDABLE POWER FOR ANY APPLICATION.

In 1917, Acme Electric began its legacy of producing top performing electrical products in Cleveland, OH. Throughout the 100 years of Acme Electric's existence, we have developed a growing array of transformer product lines, offering a bold contribution to the Commercial Construction industry. Our products cover the full spectrum of applications, from general purpose power distribution in commercial applications, to ultra-efficient transformers used in alternative energy, to transformers that address harmful harmonic conditions generated in today's electrical loads. All of our products are designed, manufactured and verified to exceed the standards established by UL, CSA, CE, NEMA, ANSI and IEEE. As we grow our partnership with Hubbell Inc., Acme Electric will continue to increase its diversified mix of power quality and power distribution products.

- Low Voltage Dry Type Distribution Transformer
- Medium Voltage Dry Type Distribution Transformer
- Harmonic Mitigating Transformer
- Non-Linear Load Transformer
- Drive Isolation Transformer
- AC Line Reactor
- Industrial Control Transformer
- Low Voltage Lighting Transformer
- Buck Boost Transformer
- Panel Tran Zone Power Centers
- Appliance Transformer
- True Power Constant Voltage Regulators
- Amveco Toroidal Solutions

## PRODUCT SELECTION GUIDE

### Low Voltage Dry Type Distribution Transformer

- Ideal for applications supplying appliance, lighting, motorized machine and power loads from electrical distribution systems.
- Designed with encapsulated or ventilated type construction
- Available for Single Phase applications from 0.05kVA up to 250KVA
- Available for Three Phase applications from 3kVA up to 1000kVA
- Ventilated units must meet DOE 2016 Efficiency
- Optional Stainless Steel (316) and Copper windings

### Medium Voltage Dry Type Distribution Transformer

- Ideal for applications supplying appliance, lighting, motorized machine and power loads from electrical distribution systems.
- Designed for 2.5kV and 5kV Voltage class
- Available for Single Phase applications from 15kVA up to 500KVA
- Available for Three Phase applications from 15kVA up to 2MVA
- Optional Stainless Steel (316) and Copper windings
- Must meet DOE 2016 Efficiency
- Self-cooled and easier installation with non-flammable materials compared to liquid filled

### Harmonic Mitigating Transformer

- Designed with a special secondary "Zig-Zag" configuration to cancel the harmonics
- Reduces supply voltage flat topping caused by non-linear loads
- Improves overall power factor of supply system
- Ideal for applications in hospital, office, and health care buildings
- Available for Three Phase applications from 30kVA up to 225kVA
- Must meet DOE 2016 Efficiency

### Non Linear Load Transformer

- Designed to tolerate the heating effects of harmonics created by much of today's electronic equipment
- "K-Factor" rating based on the type of load
- Ideal for applications in hospital, office, and health care buildings
- Available for Three Phase applications from 15kVA up to 225kVA
- Must meet DOE 2016 Efficiency



### Drive Isolation Transformer

- Designed to specifically handle the mechanical stresses, voltage distortions, and harmonics associated with AC and DC variable speed drives
- Best when power quality and fault currents are the primary consideration
- Prevents noise and transients by isolating secondary ground from primary winding
- Available for Three phase applications from 7.5kVA up to 990kVA
- Optional Thermal Switch Kit available

### AC Line Reactor

- Designed to specifically handle the mechanical stresses, voltage distortions, and harmonics associated with AC and DC variable speed drives
- Best used when nuisance tripping of the drive is the primary consideration
- Reduces harmonic distortion, which affect surrounding devices, such as electronics
- Offered with 3% or 5% Impedance at 480V
- Available for Three Phase applications from 2Amps up to 600Amps

### Industrial Control Transformers

- Designed to handle momentary current inrush caused when electromagnetic components are energized
- Ideal for applications using motor starters, control panels, and robotics
- Offered in two types of constructions
  - Open Core and Coil
  - Encapsulated
  - Harsh Environment/Totally enclosed
- Available for Single Phase applications from 50VA up to 5000VA
- Optional or Pre-installed Fuse block

### Din Rail Power Supplies / Receptacles

- Compact, narrow design provides significant space savings
- Available in Single Phase and Three Phase models from 0.6 to 20 Amps (15-480 watts)
- Power factor correction minimizes harmonic distortion
- Compatible with Hubbell's DIN Rail Utility Box and Hubbell's Hard Wired Surge Protective Devices
- Can be used in Industrial/Machine control applications

### Buck Boost Transformer

- Ideal for correcting between 5-15% under or over voltage applications
- Versatile design allows transformer to be configured for a large number of voltage combinations
- Available for Single Phase groups from 50VA up to 10kVA
- Requires multiple units wired together for Three Phase applications

### 3 Phase Buck Boost Transformer

- Ideal for correcting between 5-15% under or over voltage applications
- Versatile design allows transformer to be configured for a large number of voltage combinations
- Requires one unit instead of multiple for Three Phase applications
- Available for Three Phase applications from 6kVA to 150kVA
- Smaller footprint compared to using three individual single phase units
- Time and installation cost savings as units come pre-wired from the factory

### Panel Tran Zone Power Center

- Prewired combination of a primary breaker disconnect, a dry-type transformer, a secondary breaker disconnect, and a secondary power panel
- Ideal for construction or harsh environment areas
- Available for Single Phase application from 5kVA to 25kVA and Three Phase application from 9kVA to 30kVA
- Offered with Bolt in or Snap in Breakers
- Optional Stainless Steel (316) and Copper windings

### Appliance Transformer

- Designed for changing world voltages to 115V used in appliances
- Available for Single Phase applications from 200VA to 2000VA
- Autotransformer construction
- Built-on outlet and a plug

### True Power Constant Voltage Regulators

- Designed to deal with voltage problems, noise, and harmonics
- Available for Single Phase application from 250VA up to 15kVA

### Amveco Toroidal Solutions

- Ideal for applications in hospital, office, and health care buildings
- Unique construction allows designs to be smaller, lighter, and higher efficiency
- Used in various industries to step down or up a voltage or simply isolate electronic equipment from a voltage source (5) Provide 3-wire secondary circuits.

### Low Voltage Lighting Transformer

- Ideal for interior lighting and outdoor landscape lighting
- Available in Single Phase application from 100VA to 1000VA
- Designed in a black finish enclosure with built in circuit breaker



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