



# Panel-Tran® Zone Power Centers



*Zone power centers combine an Acme encapsulated distribution transformer with a power panel assembly in one convenient UL-3R enclosure, or indoor/outdoor use and is suitable for use as service entrance equipment.*





Acme Electric's Panel-Tran® Power Center is a pre-wired combination product that saves time, space and money. One convenient package, it includes a primary breaker disconnect, shielded dry-type transformer, secondary breaker disconnect and a secondary power panel, all in one NEMA 3R rated enclosure. There's no need to individually assemble, mount and wire the components. Simply add the breakers of your choice and you're ready to go. Panel-Tran power centers gives your industrial or commercial distribution systems new flexibility.

**Applications**

- Assembly lines and powering foreman centers
- Portable or temporary power sources
- Warehouses
- Mining applications
- Harsh industrial locations
- Waste water treatment facilities
- Coastal or marine applications with high salt spray level

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## Section 8 | 304 Stainless Steel Panel Tran

### CONVENIENT PACKAGE SAVES COSTS AND SPACE

Acme's Panel-Tran® Power Center is a pre-wired combination of a primary breaker disconnect, dry-type shielded transformer, secondary breaker disconnect and a secondary power panel all in one convenient package.

You save time, space and money by not having to individually assemble, mount and wire these components. Simply add the breakers of your choice and you're ready to go.

#### Features

- 600 volt class and below
- Single and three phase, 480 and 600 volt primary, 60 Hz
- Primary and secondary main circuit breakers provided
- UL-3R enclosure
- 3 through 25 kVA single phase, 9 through 30 kVA three phase
- Meets or exceeds UL, CSA, NEMA, ANSI and OSHA Standards
- UL and cUL Listed
- Ten-year limited warranty
- Shielded for cleaner power
- Available in 304 stainless steel
- Available with bolt-in or snap-in breakers

### 304 STAINLESS STEEL PANEL-TRANS®

#### Features

- 3R Enclosure
- Abundant knockouts provided
- Encapsulated construction
- Single phase: 3 – 25 kVA
- Three phase: 9 – 30 kVA

#### Applications

- Harsh industrial locations
- Corrosive chemical exposure
- Waste water treatment facilities
- Coastal or marine applications with high salt spray level
- Any application where painted cold roll steel is not adequate



### ELECTRICAL CHARACTERISTICS

#### Single Phase

Primary Voltage: 480 Volts; 60 Hz, 2 – 5% BNFC taps

Secondary Voltage: 240/120 Volts Single Phase, 60 Hz, Three wire system

kVA's Available: 3, 5, 7.5, 10, 15 and 25 kVA

Optional: 600 volts primary voltage available

#### Three Phase

Primary Voltage: 480 Volts Delta; 60 Hz with 2 – 5% BNFC taps

Secondary Voltage: 208Y/120 Volts Three Phase, 60 Hz, Four wire system

kVA's Available: 9, 15, 22.5 and 30 kVA

Insulation Class: 180°C, UL recognized system, 115°C rise

Regulation: 2 – 3% at unity power factor

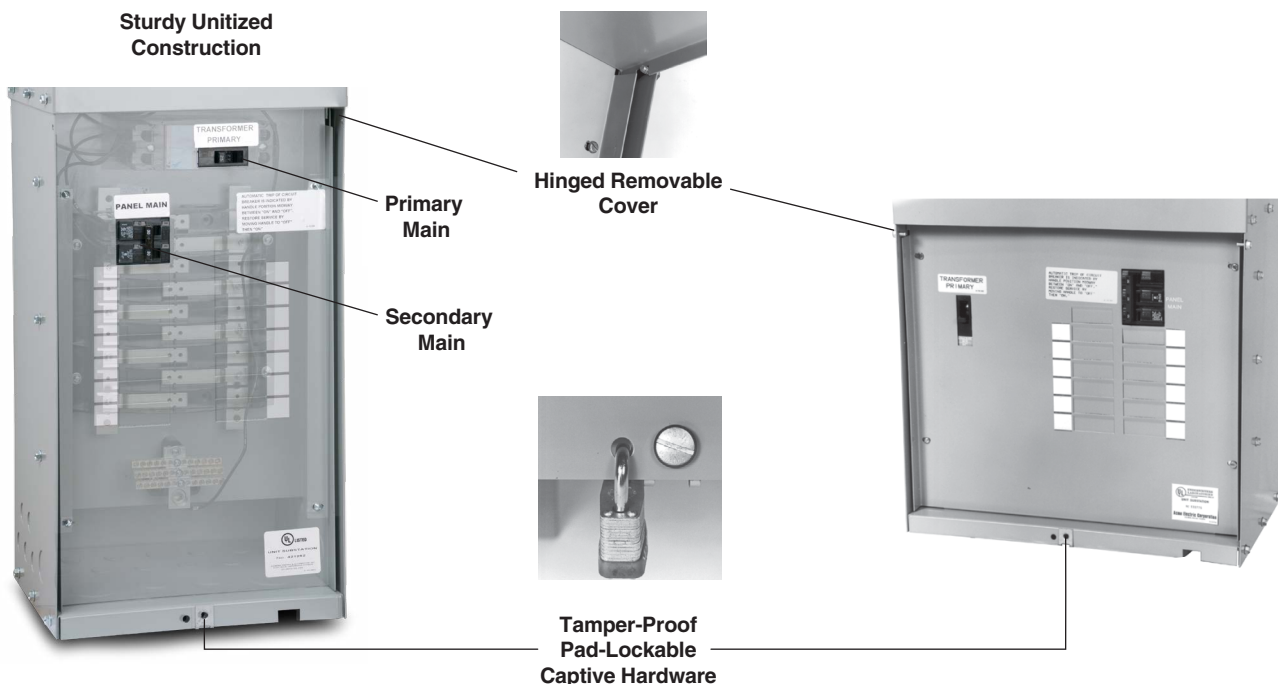
Optional: 600 volts primary voltage available

Acme reserves the right to change breaker and panel manufacturers without notification.

## Section 8 | General Description and Construction Features

- **UL-3R Enclosures** All Panel-Tran® enclosures are UL-3R listed for indoor and outdoor use.
- **Transformer Assembly** Acme totally encapsulated distribution transformers are designed for general purpose indoor/outdoor operation. Panel-Tran® can be installed in a wide variety of atmospheric and environmental conditions. A 180°C, UL recognized insulation system is used. Panel-Tran® units are electrostatically shielded to provide transient voltage protection at no extra cost.
- **Panel Assembly** The power panel assembly will accommodate one-inch, 1, 2 or 3-pole, common trip, duplex secondary branch circuit breakers and ground fault circuit breakers. Per UL and NEC requirements, the Panel-Tran® assembly comes fully equipped with primary and secondary main circuit breakers. Branch circuit breakers should be obtained from our local distributor once you have established your branch circuit requirements.
- **Panel-Tran® — Why?** Panel-Tran® eliminates the normal tangled masses of secondary circuit feeders and gives your industrial commercial distribution systems new flexibility. Use your high voltage bus to full advantage by putting power where the problem is. Reduce cost — save space — keep flexible.
- **Panel-Tran® — Where?** Anywhere 120, 208 or 240 volt branch circuits are required. Typically, Panel-Tran® is best applied in situations similar to the following: Powering foreman centers, vending machine areas, factory test set-ups, office buildings, mining applications, assembly lines, portable or temporary power sources, parking lots, small machine set-ups, light industrial areas, warehouses, and numerous other locations. Use where your branch circuits may require future change or expansion.
- **UL Listed** Panel-Tran® has been listed by Underwriters' Laboratories for both indoor and outdoor operation under their unit substation classification, file number E-56936. In addition, Panel-Tran® is UL listed as suitable for use as Service Entrance Equipment.
- **Meets The NEC** Panel-Tran® fully complies with Article 450-3 of the latest edition of the NEC.
- **Protection** A primary main breaker protects the transformer and acts as a disconnect device. This primary main breaker has a high interrupting capacity to handle fault conditions. A secondary main breaker, between the transformer and the panel, is required by the N.E.C.
- **Branch Circuits** Typical 1" snap-in or bolt-in circuit breakers, regular or duplex, must be field installed. They are not provided with the Panel-Tran® unit. A secondary ground is provided within the wiring compartment for accepting your branch unit. All of the breakers, including the primary main, secondary main, and branch circuit breakers are located in the lower section of the Panel-Tran®. This lower section is protected by a hinged, removable front cover which can be padlocked for safety.
- **Recommended Branch Breakers** We suggest using branch breakers of the same manufacture as the panel in Panel-Tran®. Please contact the factory for the proper branch breaker recommendation.
- **Connections** All Panel-Tran® connections will accept copper or aluminum conductor.

## FEATURES





### SNAP-IN BREAKERS

480 PRIMARY VOLTS — 240/120 SECONDARY VOLTS — 1Ø, 60 Hz

Single Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	240 V (2-pole)				
3.0	PT061150003LS	8	4	32.13 (81.6)	13.25 (33.7)	7.63 (19.4)	120 (54.4)
5.0	PT061150005LS	8	4	32.13 (81.6)	13.25 (33.7)	7.63 (19.4)	120 (54.4)
7.5	PT061150007LS	8	4	32.13 (81.6)	15.88 (40.3)	11.00 (27.9)	160 (72.6)
10.0	PT061150010LS	8	4	34.38 (87.3)	15.88 (40.3)	11.00 (27.9)	185 (83.9)
15.0	PT061150015LS	12	6	34.38 (87.3)	17.13 (43.5)	12.38 (31.4)	240 (109.0)
25.0	PT061150025LS	20	10	41.88 (106.4)	17.88 (45.4)	13.50 (34.3)	330 (150.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

### 304 STAINLESS STEEL/ SNAP-IN BREAKERS

480 PRIMARY VOLTS — 240/120 SECONDARY VOLTS — 1Ø, 60 Hz

Single Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	240 V (2-pole)				
5.0	PT061150005SS	8	4	32.13 (81.6)	13.25 (33.7)	7.63 (19.4)	120 (54.4)
7.5	PT061150007SS	8	4	32.13 (81.6)	15.88 (40.3)	11.00 (27.9)	160 (72.6)
10.0	PT061150010SS	8	4	34.38 (87.3)	15.88 (40.3)	11.00 (27.9)	185 (83.9)
15.0	PT061150015SS	12	6	34.38 (87.3)	17.13 (43.5)	12.38 (31.4)	240 (109.0)
25.0	PT061150025SS	20	10	41.88 (106.4)	17.88 (45.4)	13.50 (34.3)	330 (150.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

### SNAP-IN BREAKERS

480 VOLTS to 240/120 VOLTS

Circuit Breaker Data

kVA	480 Volts primary breakers	240/120 Volts secondary main	Maximum Rating of Secondary Breakers
3.0	ED42B025L (25A)	Q225 (25A)	20 amps
5.0	ED42B025L (25A)	Q225 (25A)	20 amps
7.5	ED42B025L (25A)	Q240 (40A)	30 amps
10.0	ED42B035L (35A)	Q250 (50A)	40 amps
15.0	ED42B050L (50A)	Q270 (70A)	60 amps
25.0	ED42B090L (90A)	Q2125 (125A)	100 amps



**BOLT-IN BREAKERS**  
**480 PRIMARY VOLTS — 240/120 SECONDARY VOLTS — 1Ø, 60 Hz**

Single Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	240 V (2-pole)				
5.0	PT0B1150005LS	16	8	38.00 (96.5)	15.88 (40.3)	11.00 (27.9)	165 (74.8)
7.5	PT0B1150007LS	16	8	38.00 (96.5)	15.88 (40.3)	11.00 (27.9)	165 (74.8)
10.0	PT0B1150010LS	16	8	38.00 (96.5)	17.13 (43.5)	12.38 (31.4)	240 (108.8)
15.0	PT0B1150015LS	16	8	38.00 (96.5)	17.13 (43.5)	12.38 (31.4)	240 (109.0)
25.0	PT0B1150025LS	28	14	45.20 (114.8)	17.88 (45.4)	13.50 (34.3)	330 (150.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

**304 STAINLESS STEEL/ BOLT-IN BREAKERS**  
**480 PRIMARY VOLTS — 240/120 SECONDARY VOLTS — 1Ø, 60 Hz**

Single Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	240 V (2-pole)				
5.0	PT0B1150005SS	16	8	38.00 (96.5)	15.88 (40.3)	11.00 (27.9)	165 (74.8)
7.5	PT0B1150007SS	16	8	38.00 (96.5)	15.88 (40.3)	11.00 (27.9)	165 (74.8)
10.0	PT0B1150010SS	16	8	34.38 (87.3)	17.13 (43.5)	12.38 (31.4)	240 (108.8)
15.0	PT0B1150015SS	16	8	34.38 (87.3)	17.13 (43.5)	12.38 (31.4)	240 (109.0)
25.0	PT0B1150025SS	28	14	41.88 (106.4)	17.88 (45.4)	13.50 (34.3)	330 (150.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

**BOLT-IN BREAKERS**  
**480 VOLTS to 240/120 VOLTS**

**Circuit Breaker Data**

kVA	480 Volts primary breakers	240/120 Volts secondary main	Maximum Rating of Secondary Breakers
5.0	ED42B025L (25A)	B230H (30A)	20 amps
7.5	ED42B025L (25A)	B240H (40A)	30 amps
10.0	ED42B035L (35A)	B250H (50A)	40 amps
15.0	ED42B050L (50A)	B270H (70A)	60 amps
25.0	ED42B090L (90A)	B2125 (125A)	100 amps





### SNAP-IN BREAKERS

480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz

Three Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		10 120 V (1-pole)	30 208 V (3-pole)				
9.0	PTBA3150009LS	12	4	33.75 (85.7)	22.13 (56.2)	7.63 (19.4)	255 (116.0)
15.0	PTBA3150015LS	12	4	35.13 (89.2)	22.13 (56.2)	12.38 (31.4)	385 (175.0)
22.5	PTBA3150022LS	18	6	38.25 (97.2)	30.25 (76.8)	13.38 (34.0)	535 (243.0)
30.0	PTBA3150030LS	24	8	43.75 (111.1)	33.00 (83.8)	13.75 (34.9)	680 (308.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

### 304 STAINLESS STEEL/ SNAP-IN BREAKERS

480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz

Three Phase

kVA	Catalog Number	Secondary Maximum Current Output ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	208 V (3-pole)				
9.0	PTBA3150009SS	12	4	33.75 (85.7)	22.13 (56.2)	7.63 (19.4)	255 (116.0)
15.0	PTBA3150015SS	12	4	35.13 (89.2)	22.13 (56.2)	12.38 (31.4)	385 (175.0)
22.5	PTBA3150022SS	18	6	38.25 (97.2)	30.25 (76.8)	13.38 (34.0)	535 (243.0)
30.0	PTBA3150030SS	24	8	43.75 (111.1)	33.00 (83.8)	13.75 (34.9)	680 (308.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

### SNAP-IN BREAKERS

480 VOLTS DELTA to 208Y/120 VOLTS

Circuit Breaker Data

kVA	480 Volts primary breakers	208Y/120 Volts secondary main	Maximum Rating of Secondary Breakers
9.0	ED43B025L (25A)	Q330 (30A)	25 amps
15.0	ED43B040L (40A)	Q350 (50A)	40 amps
22.5	ED43B070L (70A)	Q370 (70A)	60 amps
30.0	ED43B090L (90A)	Q3100 (100A)	80 amps



**BOLT-IN BREAKERS**  
**480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz**

Three Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		10 120 V (1-pole)	30 208 V (3-pole)				
9.0	PTBB3150009LS	15	7	33.75 (85.7)	22.13 (56.2)	7.63 (19.4)	255 (116.0)
15.0	PTBB3150015LS	15	7	35.13 (89.2)	22.13 (56.2)	12.38 (31.4)	385 (175.0)
22.5	PTBB3150022LS	27	13	43.75 (111.1)	33.00 (83.8)	13.38 (34.0)	680 (308.0)
30.0	PTBB3150030LS	27	13	43.75 (111.1)	33.00 (83.8)	13.75 (34.9)	680 (308.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

**304 STAINLESS STEEL/ BOLT-IN BREAKERS**  
**480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz**

Three Phase

kVA	Catalog Number	Secondary Maximum Current Output ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	208 V (3-pole)				
9.0	PTBB3150009SS	15	7	33.75 (85.7)	22.13 (56.2)	7.63 (19.4)	255 (116.0)
15.0	PTBB3150015SS	15	7	35.13 (89.2)	22.13 (56.2)	12.38 (31.4)	385 (175.0)
22.5	PTBB3150022SS	27	13	43.75 (111.1)	33.00 (83.8)	13.75 (34.9)	535 (243.0)
30.0	PTBB3150030SS	27	13	43.75 (111.1)	33.00 (83.8)	13.75 (34.9)	680 (308.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

**BOLT-IN BREAKERS**  
**480 VOLTS DELTA to 208Y/120 VOLTS**      **Circuit Breaker Data**

kVA	480 Volts primary breakers	208Y/120 Volts secondary main	Maximum Rating of Secondary Breakers
9.0	ED43B025L (25A)	B330H (30A)	25 amps
15.0	ED43B040L (40A)	B350H (50A)	40 amps
22.5	ED43B070L (70A)	B370H (70A)	60 amps
30.0	ED43B090L (90A)	B3100 (100A)	80 amps

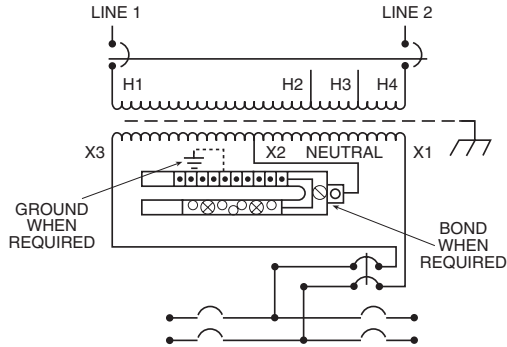




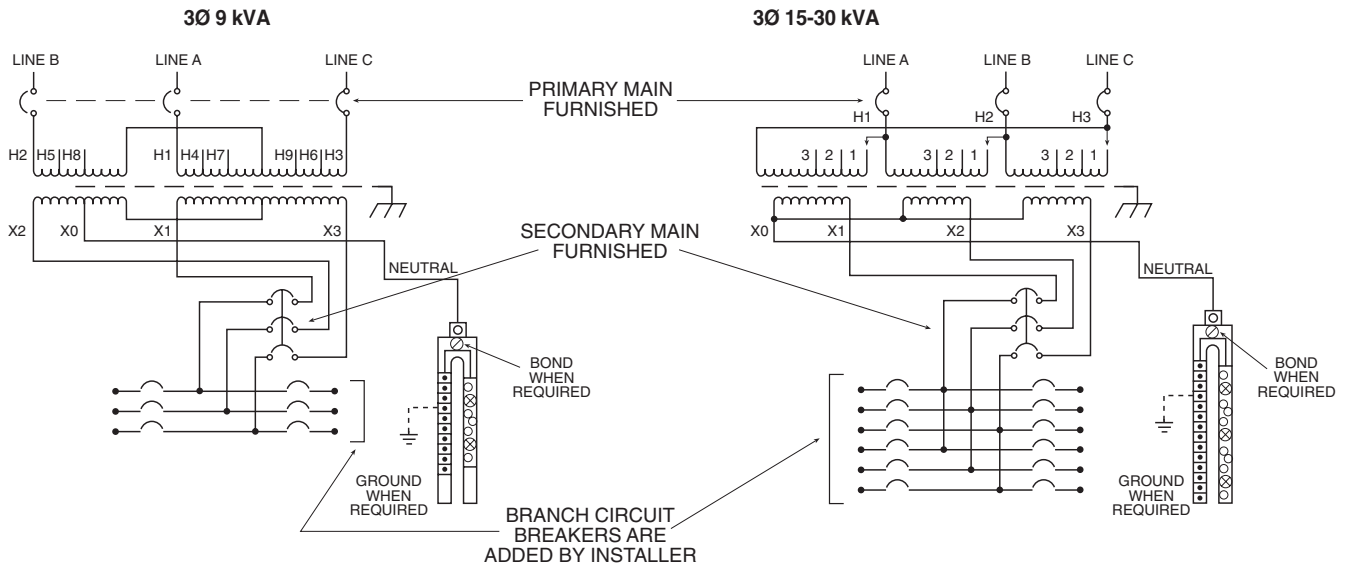
Section 8 | Wiring Diagrams

PANEL-TRANS® ZONE POWER CENTERS WIRING DIAGRAMS — SINGLE PHASE

Wiring Diagram 1Ø 3-25 kVA



PANEL-TRANS® ZONE POWER CENTERS WIRING DIAGRAMS — THREE PHASE





# Warranty Certificate

## Acme Electric 10-Year Limited\* Warranty

Acme Electric (Acme) warrants to the original purchaser to correct by repair, replacement or refund of original purchase price, at Acme's option, products manufactured and sold by its Power Distribution Products Division, that may fail in service within the applicable period as set forth below, from the date of manufacture provided however, that conditions of operation have been normal at all times, and that the equipment has not been subjected to abnormal stress from such causes as incorrect primary voltage or frequency, improper ventilation or improper use. This warranty is made on the condition that prompt notice of defect is given to Acme in writing within the warranty period, and that Acme's inspection reveals to its satisfaction that the original purchaser's claim is valid under the terms of this warranty. Acme's obligation under this warranty, which is in lieu of all other warranties, express or implied, including the implied warranty of fitness for a particular purpose and merchantability, is limited to replacing or repairing defective products or parts, free of charge, provided they are returned to the factory, or refund of original purchase price, at Acme's option. However, purchased components (except for timers and photocells used in low voltage lighting power supplies) including but not limited to capacitors, circuit breakers, terminal blocks, batteries, fuses and tubes shall not be covered under this warranty. Repairs or replacement deliveries shall not interrupt or prolong the term of this warranty. Acme will not be liable for any special, indirect, consequential or incidental damages, including, without limitation, from loss of use, data, function or profits deriving out of or in connection with the use or performance of the product and shall have no liability for payment of any other damages whether in an action of contract, strict liability or tort. The remedy provided herein states Acme Electric's entire liability and buyer's sole and exclusive remedy here under. Rights may vary in certain states.

### \*Warranty Period:

Standard Catalog Transformers — 10-year limited; Medium Voltage Transformer — 3-year limited, Custom products — 1 year.



PT061150003LS _____ 5	PT061150025SS _____ 5	PT0B1150025SS _____ 6	PTBB3150015LS _____ 8
PT061150005LS _____ 5	PT0B1150005LS _____ 6	PTBA3150009LS _____ 7	PTBB3150022LS _____ 8
PT061150007LS _____ 5	PT0B1150007LS _____ 6	PTBA3150015LS _____ 7	PTBB3150030LS _____ 8
PT061150010LS _____ 5	PT0B1150010LS _____ 6	PTBA3150022LS _____ 7	PTBB3150009SS _____ 8
PT061150015LS _____ 5	PT0B1150015LS _____ 6	PTBA3150030LS _____ 7	PTBB3150015SS _____ 8
PT061150025LS _____ 5	PT0B1150025LS _____ 6	PTBA3150009SS _____ 7	PTBB3150022SS _____ 8
PT061150005SS _____ 5	PT0B1150005SS _____ 6	PTBA3150015SS _____ 7	PTBB3150030SS _____ 8
PT061150007SS _____ 5	PT0B1150007SS _____ 6	PTBA3150022SS _____ 7	
PT061150010SS _____ 5	PT0B1150010SS _____ 6	PTBA3150030SS _____ 7	
PT061150015SS _____ 5	PT0B1150015SS _____ 6	PTBB3150009LS _____ 8	



*Our history is strong,  
engaging and dedicated...  
just like our people.*



***The Acme Electric Legacy***

Acme Electric provides power quality and conversion equipment to OEM, industrial and commercial markets. Founded in 1917 in Cleveland, Ohio as the Acme Electric and Machine Company, the company has a legacy of providing innovative electrical products. Acme is now part of Hubbell Incorporated, one of the largest electrical manufacturers in North America. Hubbell's history of innovation extends back to 1888 and the invention of the pull chain light switch and the electric plug.

Acme's original product line of motor-driven battery chargers, electrical appliances and electrical generators has transformed to a diversified mix of high-quality low voltage, medium voltage and 3 phase transformers and power supplies.

Learn more about us at [www.hubbell.com/acmeelectric/en](http://www.hubbell.com/acmeelectric/en)



**COMMERCIAL  
CONSTRUCTION**

A Division of Hubbell Incorporated (Delaware)

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