

# AA-3S PTLC Series

*Featuring an ASCO® Automatic and Manual Transfer Switch for Alternative Power Sources*



The AA-3S Power Transfer Load Center (PTLC) Series offers space-savings and installation convenience—coupled with the ability to switch between a permanent or mobile emergency power source. The PTLC includes an ASCO Series 300 ATS to switch between normal and emergency power and a mechanically-interlocked manual transfer switch to change between a permanent or mobile alternative power source. This Series offers custom-configured integrated “3-source” panels, designed to meet your specific cost and performance standards.

AA-3S Series panels safeguard critical loads from transients and load transfer spikes using Strikesorb® high-performance surge suppression. By compressing a distribution-grade MOV, Strikesorb evenly disperses transient energy over the varistor’s surface area—maximizing heat dissipation; minimizing degradation; extending service life to 20+ years; and eliminating the threat of smoke, carbon residue (soot), fire, or catastrophic explosion.

AA-3S Series panels include an ASCO-manufactured automatic transfer switch. Featuring a double throw, single solenoid transfer mechanism and microprocessor controls, the robust ASCO Series 300L switch is UL 1008 Listed and complies with NFPA 110 for emergency and standby power systems.

AA-3S PTLCs are tailored for single-phase 240/120, 200 amp applications. The integrated Square D NQOD load center provides 42 circuit breaker positions, giving you the flexibility to distribute power to a variety of site equipment via plug-in breakers.

For more information on the AA-3S PTLC Series, or for details on other PTLC models, e-mail Intersect today at [solutions@intersectinc.us](mailto:solutions@intersectinc.us).

**Intersect, Inc.**

Mainline power protection

Series Number	Product Configuration
AA1220042-3S	240/120; 1Ø; 200 amp; 22k AIC; 78"H x 30"W x 6"D; NEMA 1
Built-In Accessory	Description
Opt 11BG	Programmable Engine Exerciser – seven-day electronic time switch provides automatic weekly testing of the engine generator set either with or without load. Each day of the week is independently programmable. Built-in battery in selector switch on control panel preserves time of day for up to 150 hours. Engine start with or without load transfer is determined by dip switch setting on control panel. Offers relay contacts for status monitoring of Source Availability. One Form C contact each for normal and emergency sources signal the acceptability of the source, operating in conjunction with the source availability LED status indicators on the controller display on the panel door.

## General Data

### Weight

200 amp – 250 lbs (approx.)

### Enclosure type and size

NEMA 1 – 78"H x 30"W x 6"D

### Service voltage

240/120 VAC, single-phase

### Bus bar

Isolated ground bar

### Source circuit breakers

- Normal, Permanent and Temporary, or Mobile Source Breakers
- Source Breakers rated to 200 A
- 60 Hz

### Available interrupt current (AIC)

42,000 – Normal source 200 A breaker  
 10,000 – Alternative source breakers  
 Mechanically interlocked

### UL certification

UL 67 (ASCO Series 300L, UL File, E197639)

## Load Center

### Circuit breaker positions

42

### Circuit breaker type

Square D – Bolt-in or plug-in branch devices

## Automatic Transfer Switch

### Type

ASCO – Automatic

### Transfer device

- Single solenoid operation
- Microprocessor controls
- Double throw operation

### Engine starting contact

Connect signal wires to auto-start engine generator set

### Engine exerciser

Built-in, once a week, 20-minute exerciser (with or without load)

### UL certification & other safety

#### compliances

- UL1008 (ASCO Series 300, UL File E51276)
- NFPA 110 for Emergency and Standby Power Systems
- NEC Articles 700, 701 and 702
- CSA

## Suppression Technology

### Technology type

Strikesorb® 40 mm, 120 V modules (one per phase, L-N)

### UL certification

UL 1449 2nd Edition - Feb. 2007

### Nominal operating voltage

120 V

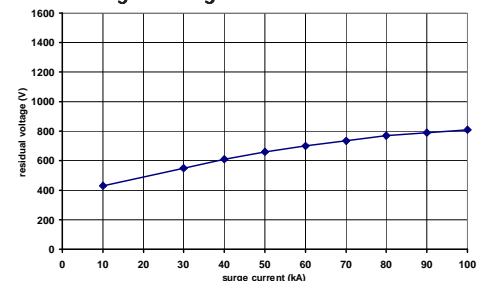
### Suppressed voltage rating (SVR)

UL 1449, Feb 2007 tested <500 V

### Maximum continuous operating voltage (MCOV)

150 V

### Let through voltage



### Available interrupt current (AIC)

UL Recognized for direct installation behind any breaker in any circuit with an AIC rating of 85 kA rms without use of additional fusing.

UL Recognized for direct installation in any circuit having an available fault current up to 200,000 A rms, when protected by a 4000 A Class L fuse.

### TVSS Remote alarming

Form "C" relay

### Multiple surge resilience

2000 hits at 10 kA (8/20 µs)  
 (Represents the ability to withstand multiple strikes with less than a 5% change in characteristics.)

### Long duration surge performance

250 hits at 500 A, 2 msec square waveform (IEEE C62.11)

### Warranty

10 years

**Intersect, Inc.**