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 emergency power source. This Series offers custom-configured integrated “3-source” panels, designed to meet your specific performance standards.

AA-3S PTLC Series panels safeguard critical loads from transients and load transfer spikes using Strikesorb® surge suppression. Strikesorb incorporates state of the art technological developments that provide superior protection characteristics, which remain unchanged throughout its long service life. It is designed to withstand repeated surges providing cost-effective and maintenance-free operation in demanding environments. Critical loads are never left unprotected, as Strikesorb will operate to a short circuit and trip the main disconnect breaker in the event of a long duration, potentially catastrophic overvoltage event.

AA-3S PTLC 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, and three-phase 208/120, 200 and 400 amp applications rated up to 42k AIC. The integrated QO load center provides 42 circuit breaker positions, giving you the flexibility to distribute power to a variety of site equipment via plug-in or bolt-on branch breakers.

For more information on the AA-3S PTLC Series, or for details on other PTLC models, e-mail Intersect today at solutions@intersectinc.com.
General Data

Enclosure weight and dimensions
Varies by service voltage, amperage, and enclosure type. Request specific panel drawings for this product information.

Service voltage
- 240/120 VAC, single-phase
- 208/120 VAC, three-phase

Bus bar
Isolated ground bar

UL certification
- UL 67 listed panel
- Service entrance rated

Manual Transfer Switch

Type
- Mechanically interlocked breakers for permanent or alternative power source
- Enables manual transfer between permanent and temporary power source (10 kA at 240 VAC)

Square D input breaker
- 200 amps

Source circuit breaker
- Permanent & alternative emergency power

Withstand current rating (WCR)
- 10,000 amps

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, 20-minute exerciser
- See Option 11BG in table for further details

Source circuit breakers
- Source breakers rated to 400 A

Available interrupt current (AIC)
- 42,000 — Normal source 200 A breaker
- 10,000 — Alternative source breakers

Mechanically interlocked

UL certification & other safety compliances
- UL 1008, Standard for transfer switch equipment
- NFPA 110 for Emergency and Standby Power Systems
- NEC Articles 700, 701 and 702
- CSA Standard C22.2 for automatic transfer switches

Load Center

Load center type
- Square D type QO

Circuit breaker positions
- 42

Circuit breaker type
- Square D bolt-on or plug-in branch devices

Suppression Technology

Surge Protection Levels

Response time
- <1 ms

Maximum surge current
- Surge current, imax (8/20) NEMA LS-1: 140 kA
- Lightning current, limp (10/350) IEC 61643-1: 7.5 kA

Let through voltage level
- For surge current 10 kA (8/20) IEEE C62.41-1: 435 V - actual surge current through Strikesorb

Long duration surge performance
- 500 A square waveform 2 ms IEEE C62.11: 250 hits

Voltage protection rating (VPR)
- 600 V per UL 1449 3rd edition

Short Circuit Current Rating
- Tested for safe installation behind a 4000 A Class L time delay fuse at available fault current 200 kA
- 3-cycle testing at 85 kA

Standards Compliance

Listings
- UL 1449 3rd edition (or current), CE, VDE

1. Please refer to Strikesorb data sheet for complete product specifications.

All specifications subject to change without notice.
ASCO® is a registered trademark of ASCO Power Technologies.
Strikesorb® is a registered trademark of Raycap Corporation.