

AA-G PTLC Series

Power Transfer Load Center (PTLC) with Refined Features and Functionality



Actual product may vary from photograph. Please request product drawings from solutions@intersectinc.com

For Service Entrance (UL 891 Listed) or sub-panel installations, the factory-wired AA-G PTLC saves space and installation time. The panel integrates main disconnect breakers, a branch breaker panel board, an automatic transfer switch (combined with manual transfer to one of two emergency sources) and whole-facility surge protection. The PTLC satisfies all of your electrical power requirements in one cabinet, reducing labor and equipment costs.

Automatic Transfer Switch, ASCO® Series 300 with Group G Controller

- Single solenoid, true double-throw, transfer mechanism
 - UL 1008 Listed
 - Complies with NFPA 110 for Emergency and Standby Power Systems
- Group G Controller offers easy to navigate LCD display with soft keypad and six (6) LED indicators
- Historical event log (up to 300 events)
- Statistical monitoring information
- Diagnostic functions
- Pre- and post-transfer time delay settings for transfer and re-transfer
- Voltage & frequency sensing
 - Under and over frequency settings on normal and emergency
 - Voltage and frequency parameters adjustable in 1% increments
- Auto start/stop engine control contacts are standard to the ASCO ATS

Surge-protected Loads from a 42-circuit Square D Panel Board

- Strikesorb® protection
 - Protection characteristics remain unchanged throughout service life
 - Loads are never left unprotected, as Strikesorb operates to a short circuit and trips main disconnect breaker in the event of a long duration, catastrophic over-voltage event
- Square D panel board accepts both bolt-on and plug-in branch circuit breakers

All indoor PTLCs are configured with Accessories 11BE Programmable Engine Exerciser, and 18RX Relays for Source Availability. See reverse side for additional details.

Intersect, Inc.

Quality products. Premium customer care. Integrated solutions.

General Data

Enclosure weight & dimensions

Varies by amperage and service voltage.

Please request product number drawings.

UL certification

UL 891 Listed panel

Load Center

Type

Square D

Circuit breaker positions

42 circuits

Circuit breaker type

Square D bolt-on or plug-in branch devices

ATS Accessories (standard)

11BE – Fully-programmable engine exerciser

- Seven independent engine generator exerciser routines to exercise an engine generator, with or without load, on a daily, weekly, bi-weekly or monthly basis
- Exerciser setting can be displayed and changed from the user interface keypad
- RS 485 and MODBUS-enabled with common alarm output contact

18RX – Relays for source availability

- Contacts for utility and one emergency source (second emergency contacts are on switch)
- Additional output relay, default to indicate common alarm

Optional Accessories

23GA – Load current metering card

Measures 200 A, 1Ø load current

23GA-400 – Load current metering card

Measures 400 A, 1Ø load current

23GB – Load current metering card

Measures 200 A, 3Ø load current

23GA-400 – Load current metering card

Measures 400 A, 3Ø load current

72EE – Remote connectivity module

- Content-rich monitoring screens enable real time information for power metering, event logs, voltages, time delays, and alerts
- Web page dashboards can easily be viewed on any mobile or desktop device on the network by multiple users
- Allows for remote switch transfer

Product No	Description
AA-G-1220042-3S	120/240; 200 A, 1Ø; 3-source Mains; ASCO Series 300-G plus MTS; Strikesorb; 42-position Square D panelboard; Accessories 11BE, 18RX; NEMA Type 1 enclosure
AA-G-3320042-3S	120/208; 200 A, 3Ø; 3-source Mains; ASCO Series 300-G plus MTS; Strikesorb; 42-position Square D panelboard; Accessories 11BE, 18RX; NEMA Type 1 enclosure
AA-G-1240042-3S	120/240; 400 A, 1Ø; 3-source Mains; ASCO Series 300-G plus MTS; Strikesorb; 42-position Square D panelboard; Accessories 11BE, 18RX; NEMA Type 1 enclosure
AA-G-3340042-3S	120/208; 400 A, 3Ø; 3-source Mains; ASCO Series 300-G plus MTS; Strikesorb; 42-position Square D panelboard; Accessories 11BE, 18RX; NEMA Type 1 enclosure
AA-G-1220042-100R-3S ¹	120/240; 200 A, 1Ø; 3-source Mains; ASCO Series 300-G plus MTS; Strikesorb; 42-position Square D panelboard; Accessories 4AR, 11BE, 18RX;; 65 kA; NEMA Type 1 enclosure
Optional Accessories	
23GA	120/240; 200 A, 1Ø; current metering card with 2 wired current transformers
23GA-400	120/240; 400 A, 1Ø; current metering card with 2 wired current transformers
23GB	120/208; 200 A, 3Ø; current metering card with 3 wired current transformers
23GB-400	120/208; 400 A, 3Ø; current metering card with 2 wired current transformers
72EE	120/240; 200 A or 400 A, 1Ø or 3Ø; connectivity module

1. For use only when required by local jurisdiction

Suppression Technology

Technology type

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

UL certification

UL 1449 3rd Edition

Nominal operating voltage

120 V

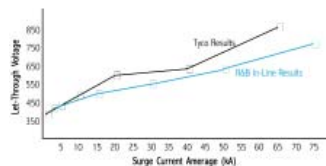
Suppressed voltage rating (SVR)

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 rate of 85 kA rms without use of additional fusing.

UL Recognized fore 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.

Remote alarming

Form "C" relay

Multiple surge resilience

2,000 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 squared waveform (IEEE C62.11)

Intersect, Inc.

All specifications subject to change without notice.

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Strikesorb® is a registered trademark of Raycap Corporation.

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