

# MP Series

## *Power Transfer Centers (ICL Option)*

The MP Series consolidates AC service entrance power components into a single enclosure. Integrated components include mechanically interlocked main breakers enabling manual transfer between the utility and emergency power sources, Strikesorb® surge protection, Square D load center, and an optional Cam-Lok style generator receptacle.

### Space-saving Power Transfer Center is Versatile and Built for Long-lasting, Reliable Performance

- Use as stand-alone service entrance panel or distribution sub-panel
- Install on an H-frame or wall
- Available with an optional pad mount or pad-lockable telco demarcation box
- Dead front switch board listed for 200 A, 1Ø or 3Ø
- Standard designs for 100 and 200 amp applications; custom designs available for 60 amps to 200 amps

### Manual Transfer Switch

- Mechanically interlocked – prevents the utility and generator sources from being closed at the same time
- Main source “utility” breaker is rated 65 kAIC; alternate “generator” source breaker is rated 10 kAIC. Both breakers offer the “push-to-trip” red dot test feature
- Transfer switch is constructed of 14-gauge steel

### Surge-Protected Loads from a 30- or 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
- Load center accepts both bolt-on and plug-in branch circuit breakers

### NEMA 3R Enclosure

- A stainless steel reinforced gasket “grips” the metal flange inside of the panel to provide a three-point seal for strengthened weatherproofing
- Factory punched for ease of installation. Knockouts outline on back of panel simplify routing of power and grounding cables
- Ships with UL-recognized plugs to maintain the enclosure’s NEMA 3R rating

For more information contact Intersect at [solutions@intersectinc.com](mailto:solutions@intersectinc.com).



Actual product may vary from photograph. Please request product drawings from [solutions@intersectinc.com](mailto:solutions@intersectinc.com)

# Intersect™, Inc.

Quality products. Premium customer care. Integrated solutions.

Product No.	Product Configuration
MP1220030	120/240; 1Ø; 200 A; 1Ø; MTS; Strikesorb; 30-position load center
MP1220042	120/240; 1Ø; 200 A; 1Ø; MTS; Strikesorb; 42-position load center
MP3320042	120/208; 3Ø; 200 A; 3Ø; MTS; Strikesorb; 42-position load center
ICL	Cam-Lok style engine generator connection panel factory mounted on left (-C-L) or on right (-C-R) side of MP Series panel.

## General Data

### Enclosure weight & dimensions

Varies by service voltage, amperage and options. Please request specific panel dimensions for the MP Series.

### Enclosure

- NEMA 3R
- 0.125" thick aluminum

### Powder coat paint

UL Pantone (Cod Gray) TGIC polyester

### Door

- 3-point latching system with 3-point seal
- Pad-lockable

### UL certification

- UL 50 – Enclosure for electrical equipment
- UL 891 – Dead front switch boards
- Service entrance rated

### Manufacturer's warranty

## Load Center

### Load center type

Square D

### Circuit breaker positions

30 or 42

### Circuit breaker type

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

## Transfer Device

### Type

Mechanical interlock

## 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

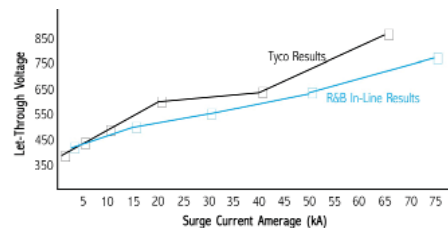
### Suppressed voltage rating (SVR)

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 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.

### Remote alarming

Form "C" relay

### Multiple surge resilience

2,000 hits at 10 kA (8/20  $\mu$ s) (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.**