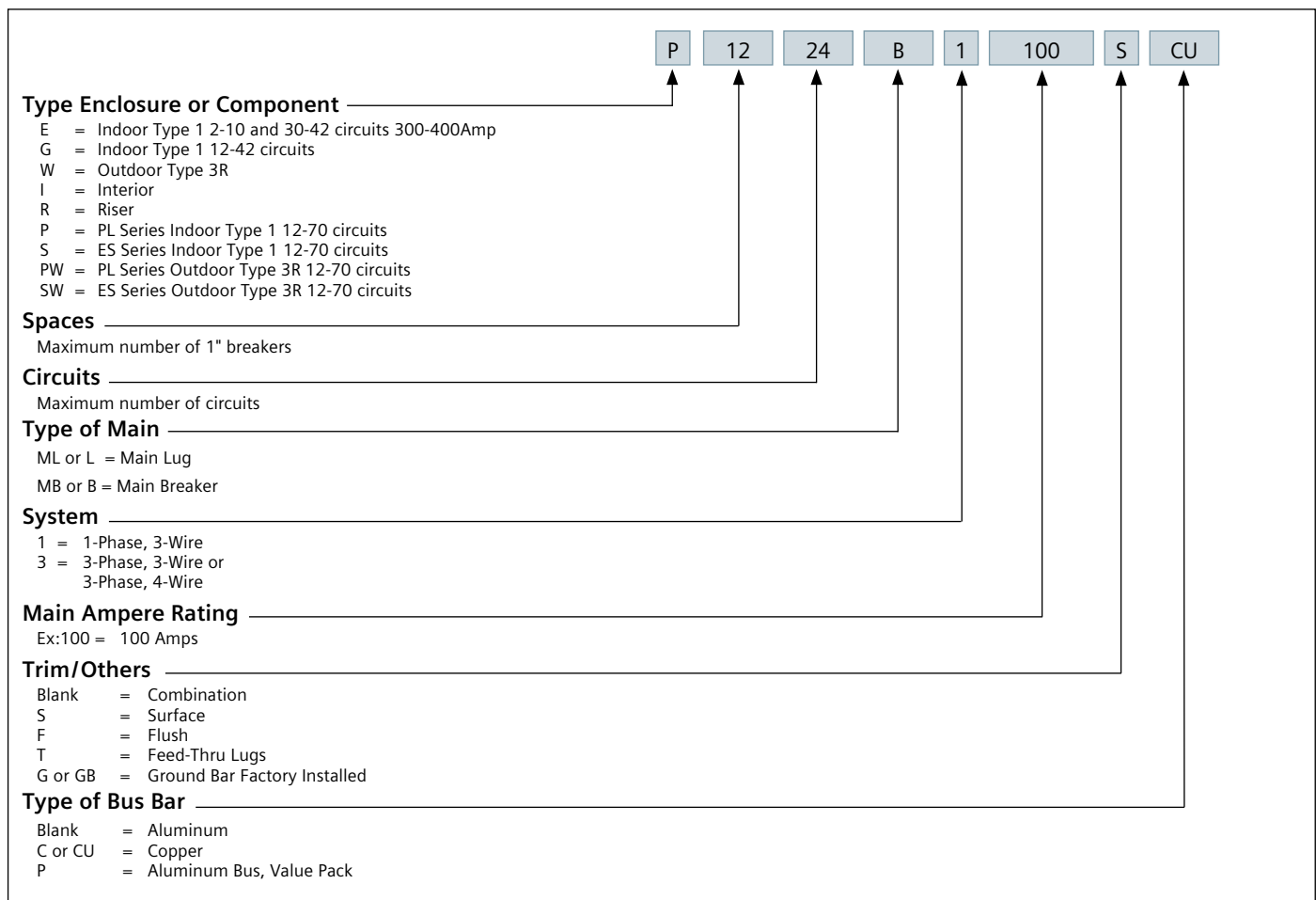


# Load Centers

## Catalog Numbering System



### Products Shown In Sections 1 of this Speedfax Meet or Exceed the Following Standards.

- UL50 — Electric Cabinets and Boxes
- UL67 — Electric Panelboards
- UL486 — Wire Connectors
- UL489 — Molded-Case Circuit Breakers
- UL869 — Service Equipment
- UL943 — Ground Fault interrupters (Class A — Personnel Protection)
- Federal Specification W-P-115b — Panel Power Distribution
- Federal Specification W-C-375B — Circuit Breakers
- NEC
- NEMA 250

### Underwriters' Laboratories, Inc. Reference File Numbers:

- Series Connected Circuit Breaker  
Information is recognized by UL under file #E10848(N)
- Load Centers Listed by UL under file #E10703
- Load Centers UL recognized components found under file #E10703, Volume 6 and 7. (Also referenced under the recognized components directory — section QEU2)
- EQ Circuit Breakers are Listed by UL under file #E82615

# Load Centers

## Siemens PL Series and ES Series Load Centers Overview

### PL Series:

- Convertible
- Invertible
- Insta-wire neutrals & grounds
- Ground bars included
- Copper busbars
- Dual neutrals on all configurations
- Carton-in-carton packaging
- Lifetime warranty



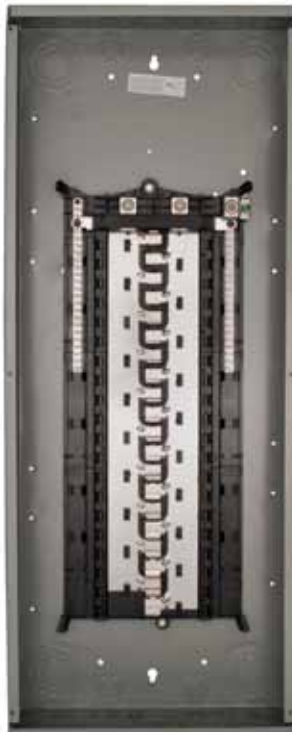
PL Series 1-phase



PL Series 3-phase

### ES Series:

- Invertible
- Insta-wire neutrals & grounds
- Aluminum busbars
- Single sided neutral on 24 circuits and below
- Single piece carton packaging
- 10 year warranty



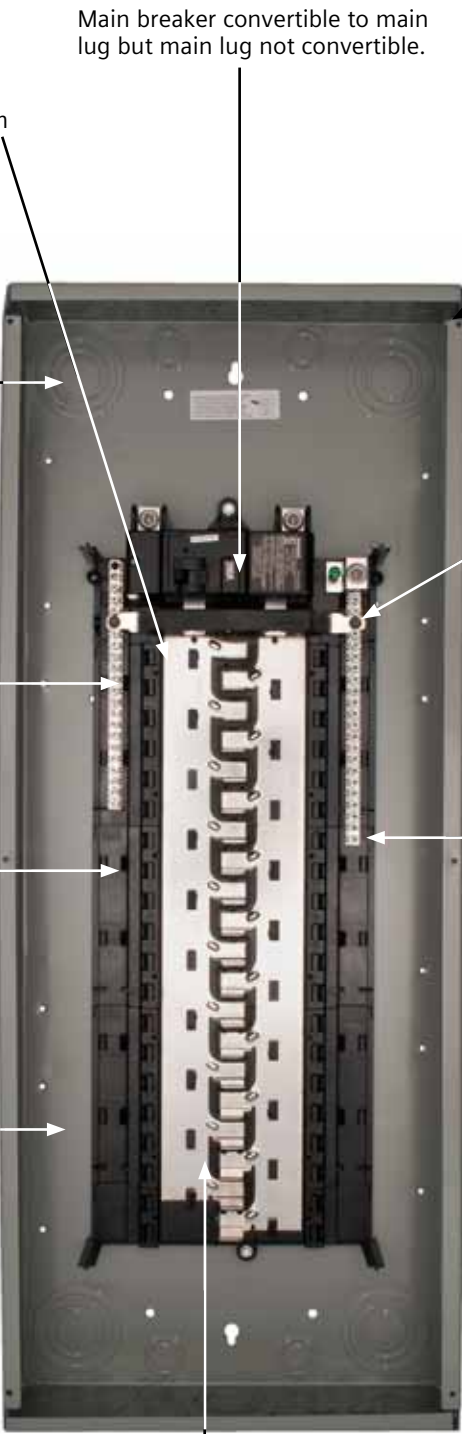
ES Series 1-phase



ES Series 3-phase

# ES Series Load Centers

## Features



Main breaker convertible to main lug but main lug not convertible.

Invertible for bottom feed application.

Ground bar field installed (select skus with "G" suffix will have ground bar factory installed).

Combination head screw on the neutrals, ground, trim, upper pan, and bond screw provide installation flexibility.

Single side inboard neutral on 24 circuits and below; dual on 30 circuits and above.

A rigid, sturdy base pan provides the ruggedness required for the most harsh applications.

Aluminum bus.

The outdoor enclosure has a slide hinge door for the easiest installation and can be removed by backing out only one screw.

Mounting tabs on the trim hold it in place on the load center, freeing up both hands to drive the trim screws.

The pre-positioned bond screw eliminates bond strap/screw assemblies, and reduces the risk of losing components in the field.

The patented INSTA-WIRE™ neutral/ground system allows for faster installation because screws are backed out, ready for wire insertion. The visible neutral and grounds system aids in the insertion of conductors.

ES Series Load Centers ship in single piece carton.

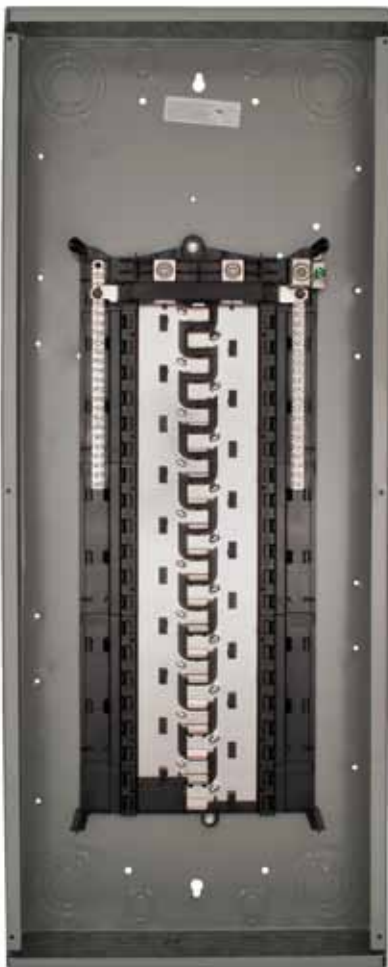
# ES Series Load Centers

## Product Offering

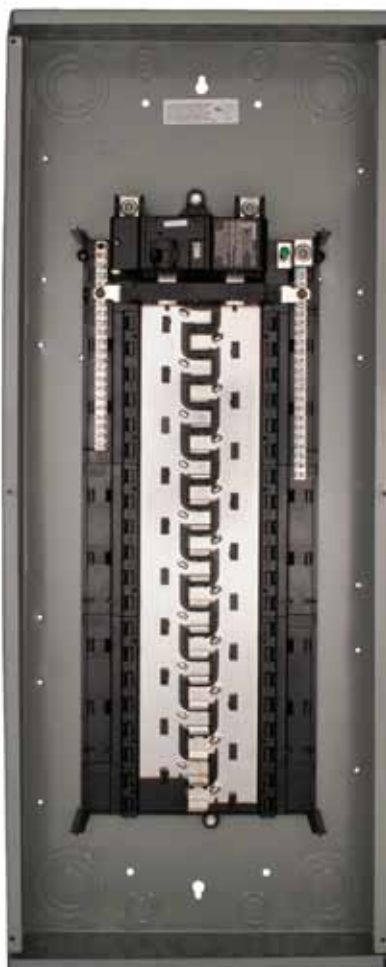
The ES Series Load Center product line provides a wide array of variation to meet any application need.

The following offering is available in the ES Series product line:

- 12-70 Circuits/Spaces
- Indoor and Outdoor enclosures
- 100 to 225 Amp
- Main Lug and Main Breakers
- Value packs – a mix of branch breakers provided with the load center.



ES Series  
1-phase Main Lug



ES Series  
1- phase Main Breaker



ES Series  
3-phase Main Breaker

# ES Series Three Phase Main Lug & Main Breaker Load Centers

3-phase, 3-wire, 240 Volt AC or 3-phase, 4-wire, 120/240 or 120/208 Volts AC

## Main Breaker/Convertible Load Centers 30-60 Circuits / 100-225 Amperes

Aluminum Bus  
60/75°C Rated 10,000A IR<sup>①</sup>

| Branch Circuits |               |                 | Indoor Enclosure – NEMA Type 1      |  | Outdoor Enclosure – NEMA Type 3R |  |
|-----------------|---------------|-----------------|-------------------------------------|--|----------------------------------|--|
| Amp Rating      | No. of Spaces | No. of Circuits | Catalog Number                      | Enclosure Height (inches) <sup>③</sup> | Catalog Number                   | Enclosure Height (inches) <sup>②</sup> |
| 100             | 12            | 24              | S1224B3100 <sup>②</sup> <b>NEW!</b> | 24                                     | —                                | —                                      |
| 100             | 30            | 30              | S3030B3100 <sup>②</sup>             | 30                                     | —                                | —                                      |
| 100             | 30            | 42              | S3042B3100 <sup>②</sup>             | 30                                     | —                                | —                                      |
| 150             | 24            | 42              | S2442B3150                          | 36                                     | SW2442B3150                      | 35                                     |
| 150             | 42            | 42              | S4242B3150                          | 42                                     | —                                | —                                      |
| 200             | 30            | 54              | S3054B3200                          | 39                                     | SW3054B3200                      | 38                                     |
| 200             | 42            | 60              | S4260B3200                          | 42                                     | SW4260B3200                      | 42                                     |
| 225             | 42            | 42              | S4242B3225                          | 42                                     | SW4242B3225                      | 42                                     |

## Main Lug/Non-Convertible Load Centers<sup>⑤⑥</sup> 12-70 Circuits / 125-225 Amperes

Aluminum Bus  
60/75° Rated 100,000A IR<sup>⑦</sup>

| Branch Circuits |               |                 | Indoor Enclosure – NEMA Type 1 |  | Outdoor Enclosure – NEMA Type 3R |  |
|-----------------|---------------|-----------------|--------------------------------|--|----------------------------------|--|
| Amp Rating      | No. of Spaces | No. of Circuits | Catalog Number                 | Enclosure Height (inches) <sup>③</sup> | Catalog Number                   | Enclosure Height (inches) <sup>②</sup> |
| 125             | 12            | 24              | S1224L3125                     | 21                                     | SW1224L3125                      | 21                                     |
| 150             | 18            | 36              | S1836L3150                     | 24                                     | SW1836L3150                      | 23                                     |
| 150             | 24            | 42              | S2442L3150                     | 30                                     | SW2442L3150                      | 27                                     |
| 200             | 12            | 24              | S1224L3200                     | 21                                     | SW1224L3200                      | 21                                     |
| 200             | 24            | 42              | S2442L3200                     | 30                                     | SW2442L3200                      | 27                                     |
| 200             | 30            | 54              | S3054L3200                     | 30                                     | SW3054L3200                      | 35                                     |
| 225             | 42            | 60              | S4260L3225                     | 36                                     | SW4260L3225                      | 38                                     |
| 225             | 54            | 70              | S5470L3225                     | 42                                     | —                                | —                                      |

① May be installed on higher rated systems when protected by a circuit breaker with a higher AIR rating.  
 ② Back fed main breaker.  
 ③ Indoor enclosures are 14 1/4" wide by 3 7/8" deep.

④ Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.  
 ⑤ Non-convertible to main breaker.  
 ⑥ Suitable for use as service entrance equipment when not more than six main disconnecting means are provided. See article 230.71 of the NEC.

⑦ Rated 100,000A IR in series with breakers listed on wiring diagram.