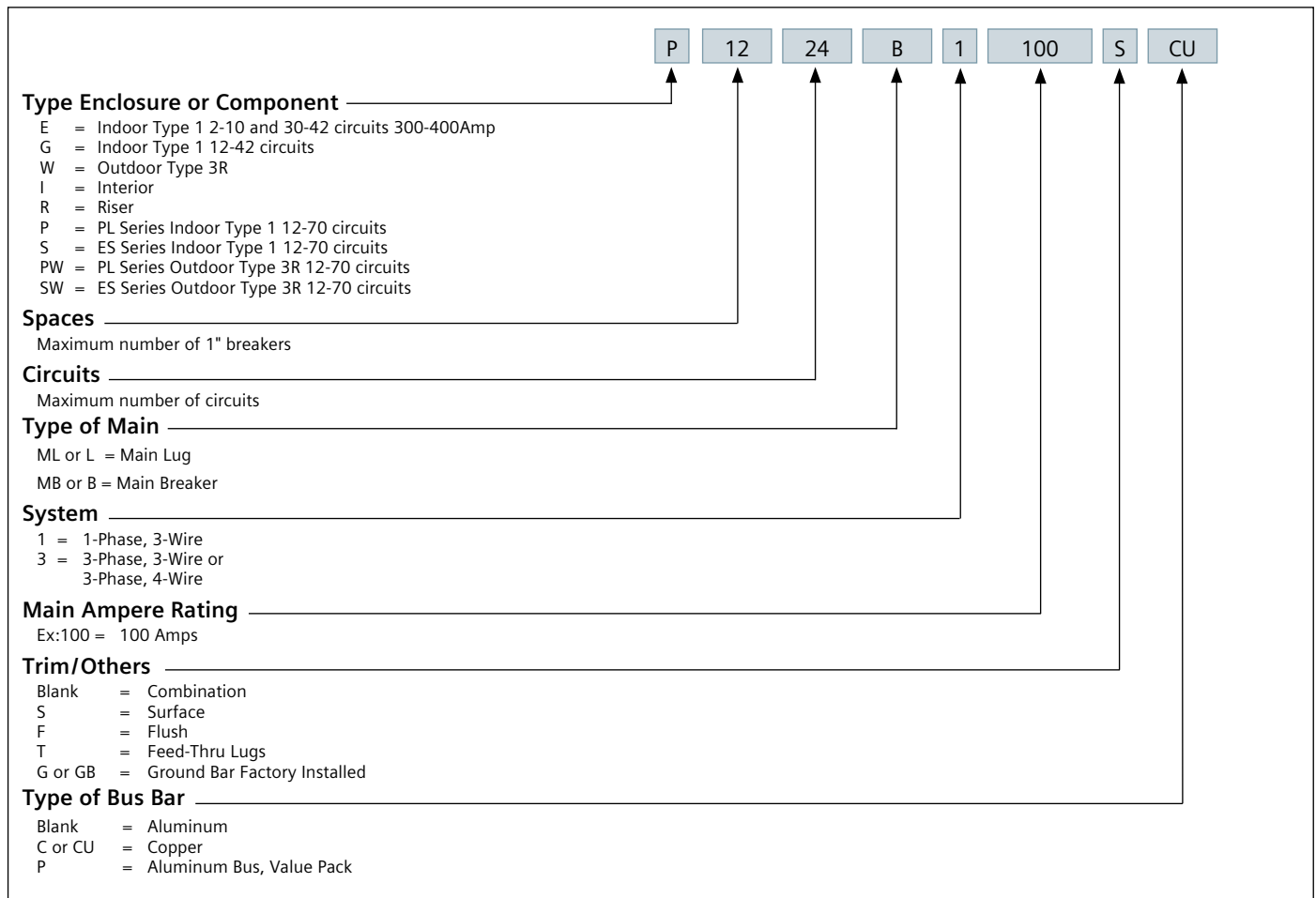


# Load Centers

## 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



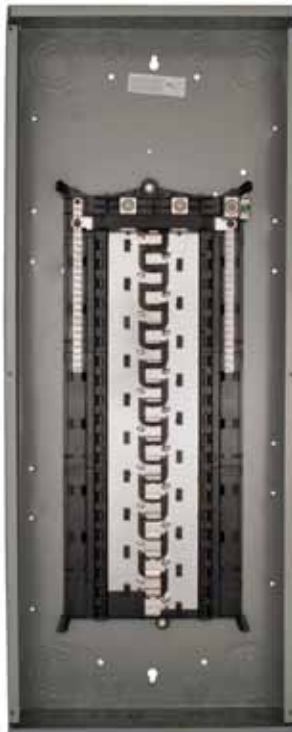
PL Series 1-phase



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.**

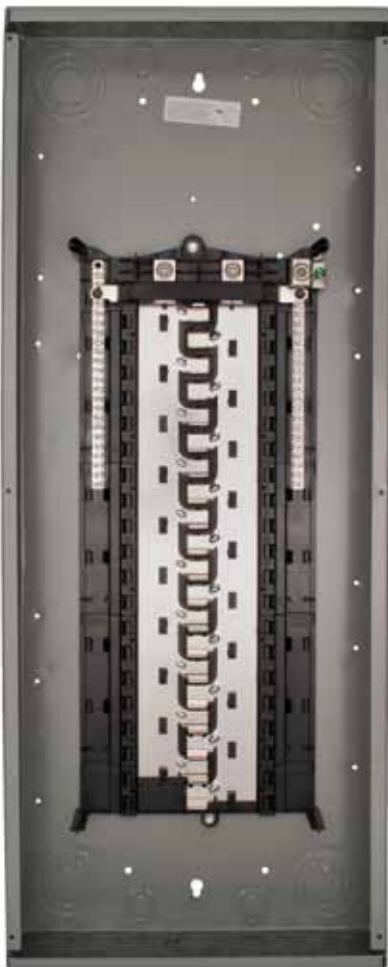
# ES Series Load Centers

## Product Offering

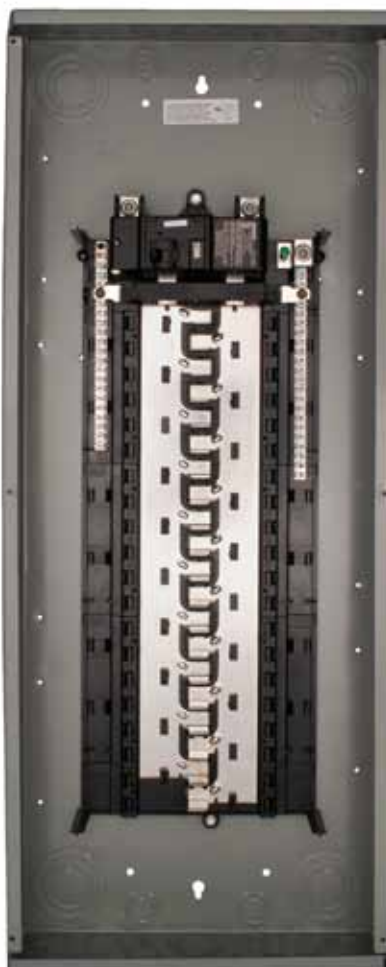
The ES Series Load Center product line provides a wide array of variation to meet any application need.

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 Single Phase Main Lug & Main Breaker Load Centers

## 1-phase, 3-wire SN, 120/240 Volts AC

### Main Breaker/Convertible Load Centers<sup>①</sup>

12-70 Circuits / 100-225 Amperes

Aluminum Bus

60/75°C Rated 22,000A IR<sup>②</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	10	20	S1020B1100 <b>NEW!</b>	18	—	—
100	12	24	S1224B1100	18	SW1224B1100	21
100	16	24	S1624B1100	21	SW1624B1100	23
100	20	20	S2020B1100	24	SW2020B1100	27
100	20	24	S2024B1100	24	—	—
100	30	30	S3030B1100	30	—	—
125	12	24	—	—	SW1224B1125 <b>NEW!</b>	21
125	16	24	S1624B1125 <b>NEW!</b>	21	—	—
125	16	32	—	—	SW2024B1125 <b>NEW!</b>	27
125	24	24	S2424B1125	24	SW2424B1125 <b>NEW!</b>	27
125	30	30	S3030B1125	30	—	—
125	30	40	S3040B1125 <b>NEW!</b>	30	SW3040B1125 <b>NEW!</b>	35
150	16	30	S1630B1150	24	—	—
150	20	30	S2030B1150	24	—	—
150	24	30	S2430B1150	30	—	—
150	30	30	S3030B1150	30	—	—
150	30	40	S3040B1150 <b>NEW!</b>	30	SW3040B1150 <b>NEW!</b>	35
150	40	40	—	—	SW4040B1150 <b>NEW!</b>	38
200	16	32	S1632B1200 <b>NEW!</b>	24	—	—
200	20	40	S2040B1200	30	SW2040B1200	27
200	24	40	S2440B1200	30	—	—
200	30	40	S3040B1200	36	SW3040B1200	35
200	40	40	S4040B1200	36	SW4040B1200	38
200	54	70	S5470B1200 <b>NEW!</b>	44	—	—
225	42	60	S4260B1225	39	SW4260B1225	42
225	54	70	S5470B1225	44	—	—

### Main Lug/Non-convertible Load Centers

12-70 Circuits / 125-225 Amperes

Aluminum Bus

60/75° Rated 100,000A IR

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	12	S1212L1125 <sup>⑤</sup>	18	SW1212L1125 <sup>⑤</sup>	21
125	12	24	S1224L1125 <sup>⑤</sup>	18	SW1224L1125 <sup>⑤</sup>	21
125	16	24	S1624L1125	21	SW1624L1125	21
125	20	20	S2020L1125	21	—	—
125	20	20	S2020L1125G <sup>⑥</sup>	21	—	—
125	20	24	S2024L1125	21	—	—
125	20	24	S2024L1125G <sup>⑥</sup>	21	—	—
125	24	24	S2424L1125	24	SW2424L1125	27
125	24	24	S2424L1125G <sup>⑥</sup>	24	—	—
125	24	40	S2440L1125	24	—	—
125	30	40	S3040L1125	30	SW3040L1125	29
125	30	40	S3040L1125G <sup>⑥</sup>	30	—	—
125	40	40	S4040L1125	36	—	—
150	20	30	S2030L1150	24	SW2030L1150	27
200	12	24	S1224L1200 <sup>⑤</sup>	21	SW1224L1200 <sup>⑤</sup>	21
200	20	40	S2040L1200	24	SW2040L1200	27
200	24	40	S2440L1200	30	—	—
200	30	30	S3030L1200	30	—	—
200	30	40	S3040L1200	30	SW3040L1200	35
200	30	54	S3054L1200	30	SW3054L1200	35
200	40	40	S4040L1200	36	SW4040L1200	35
225	12	24	—	—	SW1224L1225	23
225	42	60	S4260L1225	36	SW4260L1225	38
225	54	70	S5470L1225	42	—	—

① Suitable for use as service equipment.

② May be installed on higher rated systems when protected by a circuit breaker with a higher AIR rating.

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 Suitable for use as service entrance equipment when not more than six main disconnecting means are provided. See article 230.71 of the NEC<sup>®</sup>.

⑥ ES Series single phase skus with a "G" suffix have ground bar included (factory installed).

# Load Centers

## Cross Reference

### Ultimate Load Center Cross Reference to ES Series and PL Series

Phase	Type	Current Sku	ES Series	PL Series
1 Phase	Indoor	New	—	P3040L1200SG
		New	—	P4040L1200SG
		New - Higher Circuits	—	P4260L1225CUSG
		New - Higher Circuits	S3054L1200	P3054L1200CU
		New - Higher Circuits	S5470B1225	P5470B1225CU
		New - Higher Circuits	S5470L1225	P5470L1225CU
		New - Higher Circuits	SW3054L1200	PW3054L1200CU
		G1212L1125	S1212L1125	-
		G1212L1125CU	—	P1212L1125CU
		G1224B1100	S1224B1100	-
		G1224B1100CU	—	P1224B1100CU
		G1224L1125	S1224L1125	-
		G1224L1125CU	—	P1224L1125CU
		G1224L1125CUSG	—	P1224L1125CUSG
		G1224L1200CU	S1224L1200	P1224L1200CU
		G1624B1100	S1624B1100	-
		G1624B1100CU	—	P1624B1100CU
		G1624B1100W	S1624B1100W	-
		G1624L1125	S1624L1125	-
		G1624L1125CU	—	P1624L1125CU
		G1624L1125CUSG	—	P1624L1125CUSG
		G1630B1150	S1630B1150	-
		G2020B1100	S2020B1100	-
		G2020B1100CP	S2020B1100P	-
		G2020B1100CU	—	P2020B1100CU
		G2020L1125	S2020L1125	-
		G2020L1125CU	—	P2020L1125CU
		G2020L1125CUW	S2020L1125W	—
		G2030B1150	S2030B1150	—
		G2030B1150CU	—	P2030B1150CU
		G2030L1125CUSG	—	P2030L1125CUSG
		G2030L1150	S2030L1150	—
		G2030L1150CU	—	P2030L1150CU
		G2030L1150CUSG	—	P2030L1150CUSG
		G2040B1200	S2040B1200	—
		G2040B1200CU	—	P2040B1200CU
		G2040L1200	S2040L1200	—
		G2040L1200CU	—	P2040L1200CU
		G2424B1100CU	—	P2424B1100CU
		G2424B1125	S2424B1125	—
		G2424L1125	S2424L1125	—
		G2424L1125W	S2424L1125W	—
		G2430B1150	S2430B1150	—
		G2430L1125CUSG	—	P2430L1125CUSG
		G2440B1200	S2440B1200	—
		G2440L1125CU	S2440L1125	P2440L1125CU
		G2440L1200	S2440L1200	—
		G2440L1200CU	—	P2440L1200CU
		G3030B1100CU	S3030B1100	P3030B1100CU
		G3030B1150	S3030B1150	—
		G3030B1150CU	—	P3030B1150CU
		G3030L1200	S3030L1200	—
		G3030L1200CU	—	P3030L1200CU
		G3030L1200W	S3030L1200W	—
		G3040B1200	S3040B1200	P3040B1200
		G3040B1200CP	S3040B1200P	—
		G3040B1200CU	—	P3040B1200CU
		G3040L1125CU	—	P3040L1125CU
		G3040L1125CUW	S3040L1125W	—
		G3040L1200	S3040L1200	P3040L1200
		G3040L1200CP	S3040L1200P	—
		G3040L1200CU	—	P3040L1200CU
		G3040L1200CUSG	—	P3040L1200CUSG
		G4040B1200	S4040B1200	P4040B1200
		G4040B1200CP	S4040B1200P	—
		G4040B1200CU	—	P4040B1200CU
		G4040B1200W	S4040B1200W	P4040B1200W
		G4040L1125CU	S4040L1125	P4040L1125CU
		G4040L1200	S4040L1200	P4040L1200
		G4040L1200CU	—	P4040L1200CU
		G4040L1200CUSG	—	P4040L1200CUSG
		G4242B1225CU	S4260B1225	P4260B1225CU
		G4242L1225CU	S4260L1225	P4260L1225CU
		G2020B1100SP	S2024B1100	P2024B1100CU
		G2020L1125SP	S2020L1125G	—
G2024L1125SP	S2024L1125/S2024L1125G	P2024L1125CU		
G2424L1125SP	S2424L1125G	—		
G3030B1125CU	S3030B1125	P3030B1125CU		
G3040L1125	S3040L1125/S3040L1125G	—		
G4040B1200CUSG	—	P4040B1200CUSG		