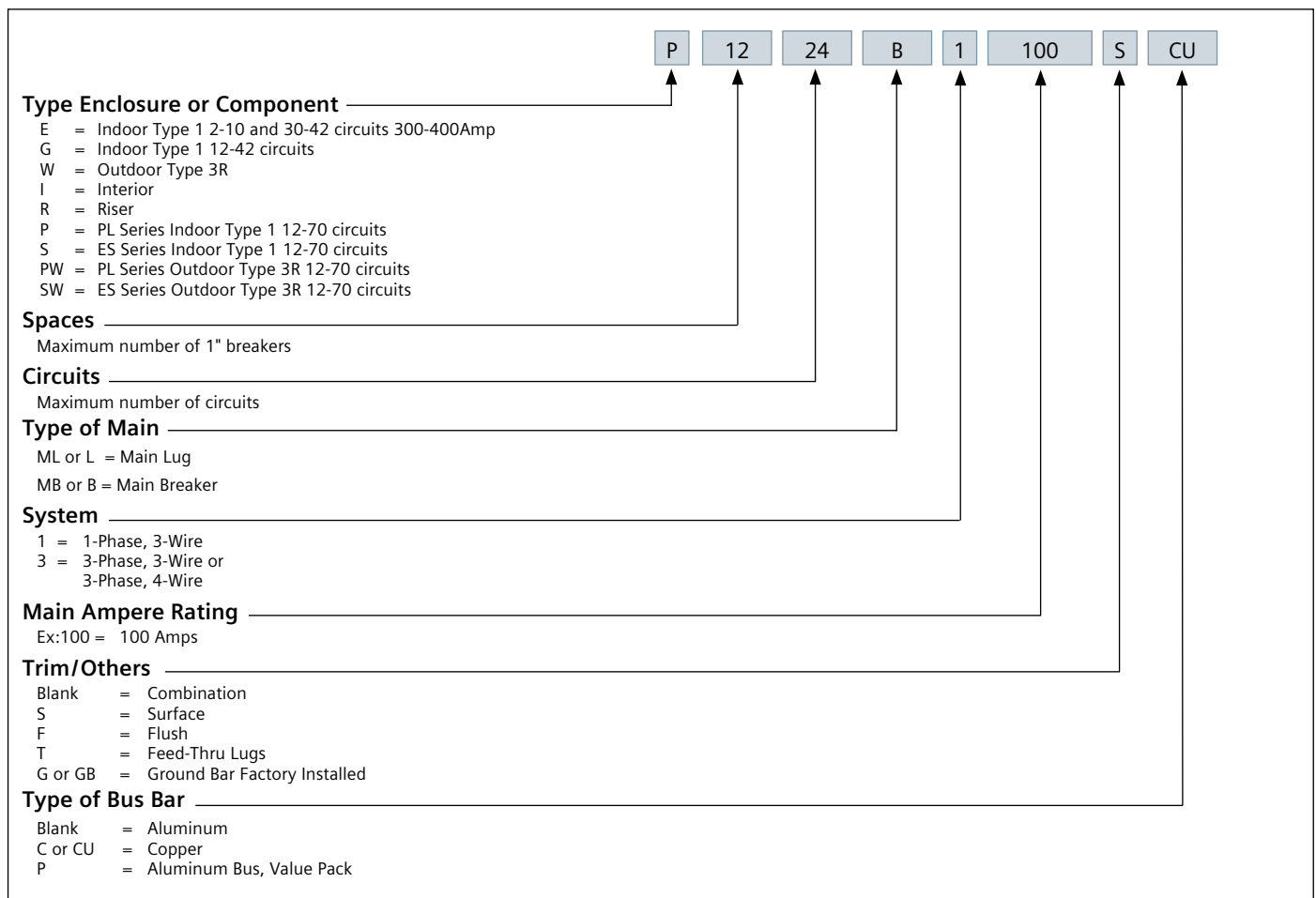


# Load Centers

## 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



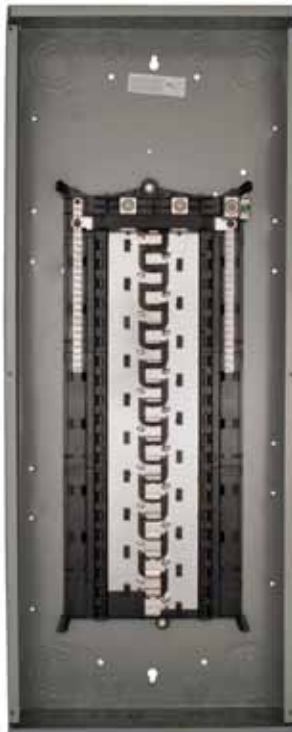
PL Series 1-phase



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



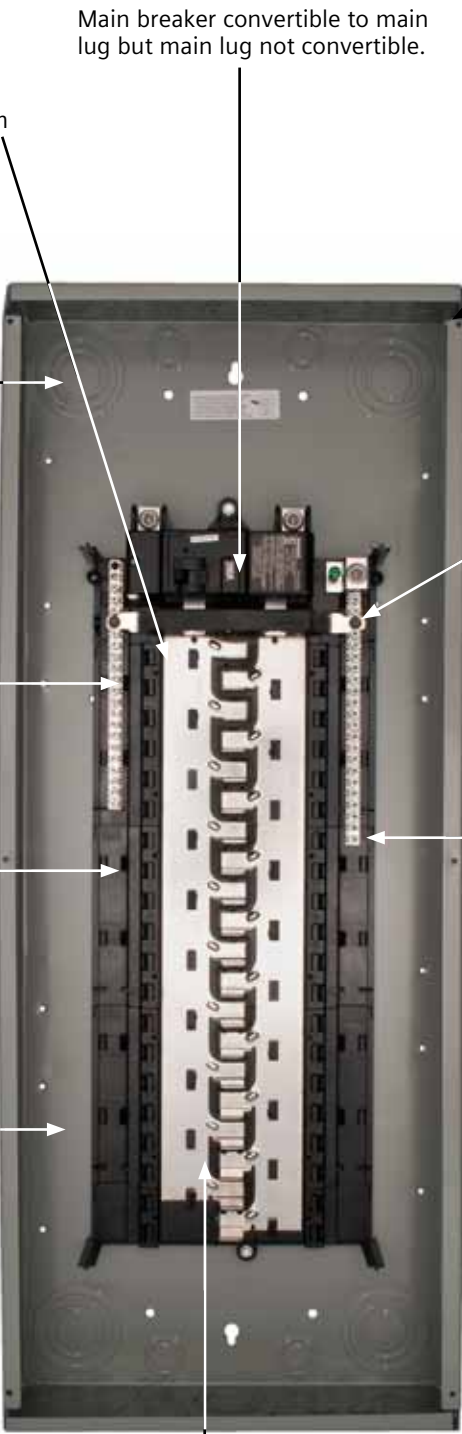
ES Series 1-phase



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.






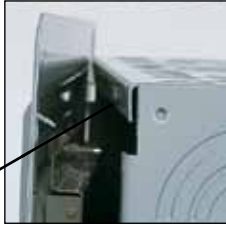

The outdoor enclosure has a slide hinge door for the easiest installation and can be removed by backing out only one screw.

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.



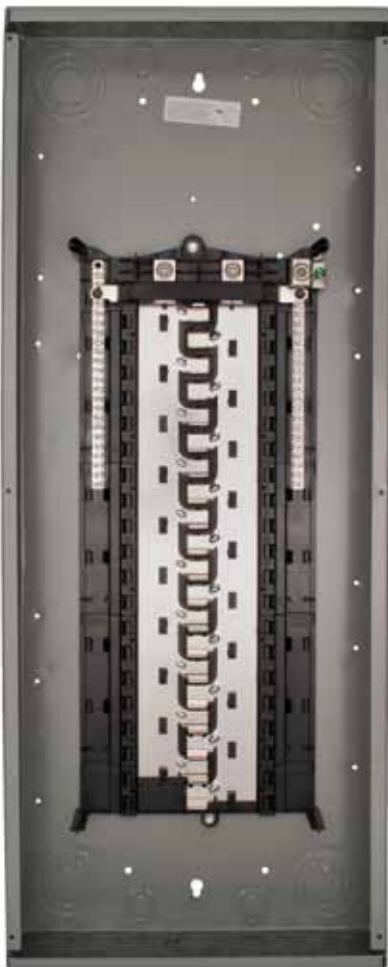
# ES Series Load Centers

## Product Offering

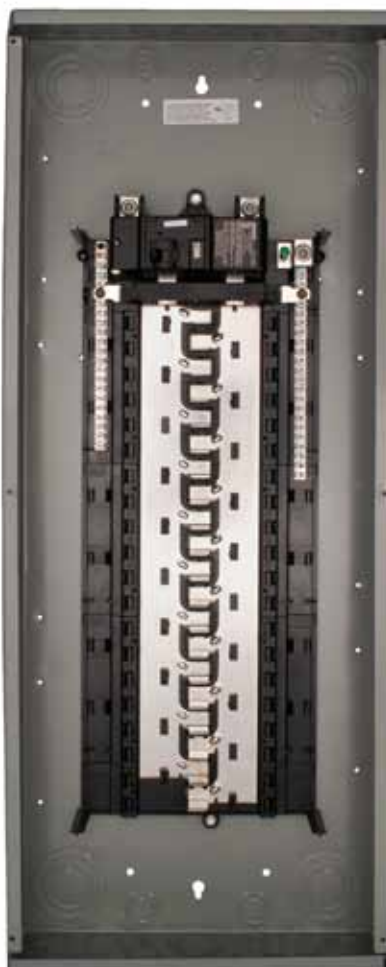
The ES Series Load Center product line provides a wide array of variation to meet any application need.

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).

# ES Series Single Phase Special Load Centers

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

### Load Centers with White Trim<sup>①</sup> 16-40 Circuits / 100 – 200 Amperes

Aluminum Bus

60/75° Rated 100,000A IR

Branch Circuits			Indoor Enclosure – NEMA Type 1		
Amp Rating	Main Lug / Main Breaker	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches) <sup>②</sup>
100	Main Breaker	16	24	S1624B1100W <sup>®</sup>	21
125	Main Lug	20	20	S2020L1125W	21
125	Main Lug	24	24	S2424L1125W	24
200	Main Lug	30	30	S3030L1200W	30
125	Main Lug	30	40	S3040L1125W	30
200	Main Breaker	40	40	S4040B1200W <sup>®</sup>	36

### Outdoor Trailer Panels 16 Circuits / 200 Amperes

Aluminum Bus

60/75° Rated 100,000A IR

Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Main Breaker		Enclosure Height (inches) <sup>②</sup>
200	8	16	SW0816L1200T	N/A	N/A	23
200	8	16	SW0816B1200T <sup>®</sup>	MBK200A	Factory Installed	23

### Value Pack Load Centers<sup>③</sup>

Aluminum Bus

Catalog Number	Load Center	Breakers Included
S2020B1100P	S2020B1100	(3) Q120, (1) Q230
S3040B1200P	S3040B1200	(3) Q120, (1) Q230
S3040L1200P	S3040L1200	(3) Q120, (1) Q230
S4040B1200P	S4040B1200	(3) Q120, (1) Q230
S3054B1200P <b>NEW!</b>	S3054B1200	(3) Q120, (1) Q230

### Split Ground Series Load Centers<sup>④</sup>

30-40 Circuits / 125-200

Amperes

16 Circuits / 200 Amperes

Aluminum Bus

Branch Circuits			Indoor Enclosure – NEMA Type 1	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches) <sup>②</sup>
125	20	30	S2030L1125SG <b>NEW!</b>	21
150	30	30	S3030B1150SG <b>NEW!</b>	30
200	40	40	S4040B1200SG <b>NEW!</b>	36

### Selectable Main Load Centers<sup>⑦</sup>

24-40 Circuits / 125-200 Amperes

Aluminum Bus

Branch Circuits			Indoor Enclosure – NEMA Type 1		Outdoor Enclosure – NEMA Type 3R		Available Kits	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches) <sup>②</sup>	Catalog Number	Enclosure Height (inches) <sup>④</sup>	Main Lug	Main Breaker
125	24	24	S2424C1125 <b>NEW!</b>	24	SW2424C1125 <b>NEW!</b>	27	ECMLK125	MBK100A, MBK125A
200	30	40	S3040C1200 <b>NEW!</b>	36	SW3040C1200 <b>NEW!</b>	35	ECMLK225	MBK150A, MBK200A, MBK225A
200	40	40	S4040C1200 <b>NEW!</b>	36	SW4040C1200 <b>NEW!</b>	38	ECMLK225	MBK150A, MBK200A, MBK225A

① Load centers with white trim have increased lead time of 3-4 weeks. Sold in pallet quantities only. Additional charge will apply. Contact sales office for details.

② Indoor enclosures are 14 1/4" wide by 3 7/8" deep.

③ Breakers are shipped inside a sleeve located inside the load center.

④ Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.

⑤ Main breaker panel rated 22,000A IR.

⑥ Split Ground load centers have factory installed 100% neutral with factory bonded 75% ground.

⑦ Selectable main load centers do not come with main lugs or main breakers. Those kits are sold separately.