

Features Overview

The P2 Series lighting panel features include:

- 1) Fas-Latch trim (Type 1), is standard but, can be ordered with other popular front styles.
- 2) Adjustable Interiors with jacking screw system.
- 3) Neutral Configurations are all located at the Main end of the panel. Both Standard Circuit and Extended Circuit configurations are available with 56-116 total connections available. Qty and size varies depending on configuration
- 4) Unit Space is very Flexible with many Field installable kits that allow changes in the field as requirements change. BL/BQD kits, 3VA41/xGB kits, QR kits and 3VA52/61/62 kits allow changes in either 3" or 6" increments.
- 5) Main Breakers are field replaceable within the original breaker Frame size. Frame types cannot be changed in the field. Strap kits determine max. amperage breakers allowed.

P2 construction features:

- Either 250A or 600A max. main bus, both Temp Rated and A/Si (Amps per Square inch) Rated bus are available.
- Up to 600 volts AC with standard Bus bracing up to 200KAIC

Main space:

- **250A max. bus** allows for MLO (125A or 250A) and Main Breaker Types BL/BQD, 3VA41/xGB, QR or 3VA52/61/62 for 100-250A max. panel rating.
- **600A max. bus** allow for MLO (max. 400-600A) and Main Breaker Types 3VA53/63 (400A max) or 3VA54/64 (600A max.) See SpeedFax for other Legacy breaker types if needed.

Unit space:

- Strap kits for 1" frame breakers can be mixed in unit space as needed. (Each kit uses 3" of unit space)
 - BL/BQD kits also accept GFCI/AFCI Breakers, BT twin and BPSD surge protection devices.
 - 3VA41/xGB kits also accept BSPD surge protection devices
- Strap kits for larger frame breakers require 6" of unit space and are single mount for P2 panels.
 - QR kits are 225A max. and 240V max.
 - 3VA52/61/62 kits are the most versatile and are 250A max. and 600V max. with many optional accessories available.

Subfeed space:

- a) Feed-Thru Lugs either 250A max or 400-600A max are available.
- b) Subfeed Breakers are no longer available in P2 panels since 250A max. branch breakers now fit in unit space.

Additional information:

For complete application and pricing information contact your local sales office.

For further information on the product, visit our website at www.usa.siemens.com/panelboards.

For detailed configuration information consult the SpeedFax section 11 on the website.

P2 Panelboard additional information

Enclosures available:

- Std. Enclosure sizes: 20" wide x 5.75" Deep
- Std. heights: 26", 32", 38", 44", 50", 56", 62", 68" and 74". Also available B74FLR universal fit Type 1 Enclosure fits all P1/P2 interiors 26" thru 74".
- Std. Types Available: Type 1, Type 3R, Type 3R/12, or Type 4X

Type 1 Fronts — Surface or Flush available:

Order to match box height: Typical 20" wide w/ #14 Gauge Steel

- FasLatch Front (Surface or Flush) is Standard, options available: Screw-to-Box, Hinge-to-Box and Door-in-Door fronts with either standard hinge or Piano Hinge options (including 304 Stainless). [many of these fronts are also available for 24" wide enclosures when needed for P1-P2 applications]

Weight = Approximate 3 lbs. per inch of box height (3.2 lbs/inch for 24" wide)

- Total panelboard weight when filled with a normal quantity of breakers and accessories is an estimate only.

Series Connected Short Circuit Ratings

The term "Series Connected Short Circuit Rating" refers to the application of series connected circuit breakers in a combination that allows some breakers to have lower individual interrupting ratings than the available fault current.

This is permitted as long as the series combination has been tested and certified by UL. See Circuit Breaker Section of the SpeedFax.

- Series rating booklet # PBTA-00101B-1020 (web searchable)

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Catalog Numbering System: Factory Assembled →				P	2	C	4	2	M	L	2	5	0	A	T	S
Type of Panel:		P	2													
Voltage and System Code: (additional codes in SpeedFax)	A, C, D, E, F, J, I, T															
Circuits:	18, 30, 42, 54, 66, 78, 90															
(See Speedfax for MB Codes) Main:	ML = Main Lug, "xx" = Main Breaker															
Panel Amperage:	100-600A															
Bus Code:	(material/plating) A, B, E, F, G or H															
Feed Location:	T = Top B = Bottom															
Mounting:	S = Surface F = Flush															

Typical Voltage Codes	
A	120/240 1Ø 3 W AC
C	208Y/120 3Ø 4 W Wye AC
D	240 3Ø 3 W Delta AC
E	480Y/277 3Ø 4W Wye AC
F	480 3Ø 3 W Delta AC
J	240 1Ø 2W No Neutral AC
I	347 3Ø 3W Delta AC
T	230 3Ø 3W Delta AC
Note:	See SpeedFax for additional Voltage codes available.

Small Frame Branch Circuit Breakers (also see Bolt on SPD series BSPD in this flier # RPFL-BSPD1-0120)

P2 Small Frame Branch Circuit Breakers ^①				1-Pole					2-Pole and 3-Pole									
				Max IR (kA) at				Amp Ratings Available	Max IR (kA) at								Amp Ratings Available	
Amp Rating	Trip Type	Breaker Family	Breaker Type	120V	277V	347V	125V DC ^③		120/240V	240V	480Y/277V	480V	600Y/347V	600V	125/250V DC ^③	250V DC ^③		
100	Thermal Magnetic	BL	BL, BT ^②	10	—	—	—	15-70 ^②	10	10	—	—	—	—	—	15-100 ^④		
			BLH, BTH ^②	22	—	—	—	15-70 ^②	22	22	—	—	—	—	—	15-100 ^④		
			HBL	65	—	—	—	15-50	65	65	—	—	—	—	—	15-100		
	Special ^② Application	BLG BL	BLG ^②	10	—	—	—	15-20	10	-	—	—	—	—	—	30		
			BL(HID) ^②	10	—	—	—	15-30	10	-	—	—	—	—	—	15-30		
Thermal Magnetic	BQD BQD (CSA)	BQD ^⑤	65	14	—	14	15-100	—	65	14	—	—	—	14	—	15-100		
		BQD6 ^⑥	65	—	—	14	15-70	—	65	—	10	—	—	14	—	15-70		
XX	Electronic and misc.	BL	AFCI/GFCI & Dual Function	X	—	—	—	see special table page SF 11-17	x	—	—	—	—	—	—	see special table page SF 11-17		
125	Thermal Magnetic	GB	NGB	100	25	14	14	15-125	—	100	25	—	14	—	14	—	15-125	
			HGB	100	35	14	14	15-125	—	100	35	—	14	—	14	—	15-125	
			LGB	100	65	14	14	15-125	—	100	65	—	14	—	14	—	15-125	
		3VA41 ^⑦	SEAB	65	25	14	14			65	65	25	25	14	—	50	50	15-125
			MEAB	85	35	18	25			85	85	35	35	18	—	85	85	15-125
			HEAB	150	65	25	30			150	150	65	65	25	—	100	100	15-125

① Unit space is 1 inch per pole, except for Special Application with accessory included.
 ② BLG: Two-pole breaker is one phase and neutral. Three pole is two phases and neutral
 - See SpeedFax Section 7 for additional info. Some are Built to order. Allow 2-3 weeks delivery.
 ③ DC Voltage Systems are not approved for use in P1 panels. Refer to P2/P3 panels if DC Voltage Systems are needed.

④ 110A-125A BL/BLH (2-pole only) available as Main or Subfeed in Revised P1 panels only.
 ⑤ Approved for CSA and UL Listed.
 ⑥ Approved for CSA but not UL Listed.
 ⑦ BT and BTH are only available in 15A and 20A with two 1-pole circuits in one inch of unit space.