

Panelboards

Distributor Stock – Type P1 Panelboards

Selection

PANELBOARDS
11

Pricing An Unassembled Panel

400A Max. — 20" Wide x 5.75" Deep

1. Choose the appropriate Interior from the table below.
2. Choose the Main Device: Main Lugs from page 11-11, Main Breaker Kit from pages 11-11 to 11-12 and Main Breakers from Section 7.
3. Choose Branch Breakers. BL, BQD and xGB breakers from Section 7.
4. Choose Feed-Thru Lugs or Subfeed Breaker Kit from pages 11-11 to 11-12 and Subfeed Breaker from Section 7.

Type P1 Unassembled Panelboards (Revised P1 introduced 2014)

Amps	Max. # of Poles	Original Interior Catalog Number	Revised P1 Interior Catalog Number	Box Size	Type 1 Encl.	Type 3R/12 Encl.①	Type 1 Front Surface	Type1 Front Flush
Convertible Mains — 1-Phase, 3-Wire 120/240V								
250	18	P1A18MC250A	P1A18MC250AT②	32	B32	WP32	S32B	F32B
	30	P1A30MC250A	P1A30MC250AT	38	B38	WP38	S38B	F38B
	42	P1A42MC250A	P1A42MC250AT	44	B44	WP44	S44B	F44B
	54		P1A54MC250AT	50	B50	WP50	S50B	F50B
400	18	P1A18MC400A	—	—	—	—	—	—
	30	P1A30MC400A	P1A30MC400AT	62	B62	WP62	S62B	F62B
	42	P1A42MC400A	P1A42MC400AT	68	B68	WP68	S68B	F68B
	54		P1A54MC400AT	74	B74	WP74	S74B	F74B
250	18	P1A18MC250C	P1A18MC250CT②	32	B32	WP32	S32B	F32B
	30	P1A30MC250C	P1A30MC250CT	38	B38	WP38	S38B	F38B
	42	P1A42MC250C	P1A42MC250CT	44	B44	WP44	S44B	F44B
	54		P1A54MC250CT	50	B50	WP50	S50B	F50B
400	18	P1A18MC400C	—	—	—	—	—	—
	30	P1A30MC400C	P1A30MC400CT	62	B62	WP62	S62B	F62B
	42	P1A42MC400C	P1A42MC400CT	68	B68	WP68	S68B	F68B
	54		P1A54MC400CT	74	B74	WP74	S74B	F74B

Convertible Mains — 3-Phase, 4-Wire 208Y/120V

250	18	P1X18MC250A	P1X18MC250AT②	32	B32	WP32	S32B	F32B
	30	P1X30MC250A	P1X30MC250AT	38	B38	WP38	S38B	F38B
	42	P1X42MC250A	P1X42MC250AT	44	B44	WP44	S44B	F44B
	54		P1X54MC250AT	50	B50	WP50	S50B	F50B
400	18	P1X18MC400A	—	—	—	—	—	—
	30	P1X30MC400A	P1X30MC400AT	62	B62	WP62	S62B	F62B
	42	P1X42MC400A	P1X42MC400AT	68	B68	WP68	S68B	F68B
	54		P1X54MC400AT	74	B74	WP74	S74B	F74B
250	18	P1X18MC250C	P1X18MC250CT②	32	B32	WP32	S32B	F32B
	30	P1X30MC250C	P1X30MC250CT	38	B38	WP38	S38B	F38B
	42	P1X42MC250C	P1X42MC250CT	44	B44	WP44	S44B	F44B
	54		P1X54MC250CT	50	B50	WP50	S50B	F50B
400	18	P1X18MC400C	—	—	—	—	—	—
	30	P1X30MC400C	P1X30MC400CT	62	B62	WP62	S62B	F62B
	42	P1X42MC400C	P1X42MC400CT	68	B68	WP68	S68B	F68B
	54		P1X54MC400CT	74	B74	WP74	S74B	F74B

Convertible Mains — 3-Phase, 4-Wire 480Y/277V

250	18	P1E18MC250A	P1E18MC250AT②	32	B32	WP32	S32B	F32B
	30	P1E30MC250A	P1E30MC250AT	38	B38	WP38	S38B	F38B
	42	P1E42MC250A	P1E42MC250AT	44	B44	WP44	S44B	F44B
	54		P1E54MC250AT	50	B50	WP50	S50B	F50B
400	18	P1E18MC400A	—	—	—	—	—	—
	30	P1E30MC400A	P1E30MC400AT	62	B62	WP62	S62B	F62B
	42	P1E42MC400A	P1E42MC400AT	68	B68	WP68	S68B	F68B
	54		P1E54MC400AT	74	B74	WP74	S74B	F74B
250	18	P1E18MC250C	P1E18MC250CT②	32	B32	WP32	S32B	F32B
	30	P1E30MC250C	P1E30MC250CT	38	B38	WP38	S38B	F38B
	42	P1E42MC250C	P1E42MC250CT	44	B44	WP44	S44B	F44B
	54		P1E54MC250CT	50	B50	WP50	S50B	F50B
400	18	P1E18MC400C	—	—	—	—	—	—
	30	P1E30MC400C	P1E30MC400CT	62	B62	WP62	S62B	F62B
	42	P1E42MC400C	P1E42MC400CT	68	B68	WP68	S68B	F68B
	54		P1E54MC400CT	74	B74	WP74	S74B	F74B

Interiors for xGB Breakers — 3-Phase, 4-Wire 480Y/277V

250	18	P1718MC250A	P1718MC250AT②	32	B32	WP32	S32B	F32B
	30	P1730MC250A	P1730MC250AT	38	B38	WP38	S38B	F38B
	42	P1742MC250A	P1742MC250AT	44	B44	WP44	S44B	F44B
	54		P1754MC250AT	50	B50	WP50	S50B	F50B
400	18	P1718MC400A	—	—	—	—	—	—
	30	P1730MC400A	P1730MC400AT	62	B62	WP62	S62B	F62B
	42	P1742MC400A	P1742MC400AT	68	B68	WP68	S68B	F68B
	54		P1754MC400AT	74	B74	WP74	S74B	F74B
250	18	P1718MC250C	P1718MC250CT②	32	B32	WP32	S32B	F32B
	30	P1730MC250C	P1730MC250CT	38	B38	WP38	S38B	F38B
	42	P1742MC250C	P1742MC250CT	44	B44	WP44	S44B	F44B
	54		P1754MC250CT	50	B50	WP50	S50B	F50B
400	18	P1718MC400C	—	—	—	—	—	—
	30	P1730MC400C	P1730MC400CT	62	B62	WP62	S62B	F62B
	42	P1742MC400C	P1742MC400CT	68	B68	WP68	S68B	F68B
	54		P1754MC400CT	74	B74	WP74	S74B	F74B

① Front included in NEMA 3R and 3R/12 Box.

② The New Revised P1 (18 circuit 250A only) is limited to 100A per connection (200A per pair) when installing Branch Breakers

across from one another. All other configurations allow 125A per connection max. (250A per pair max.)



42 circuit with Back-fed Main

54 circuit 400A

Panelboards

Circuit Breaker / Lighting and Distribution

Selection

PANELBOARDS 11

Shown with Standard Mains, Top Fed and Surface Trim
Catalog number is for aluminum main bus. For optional copper main bus change "A" in position 11 to "C".

Panels are top feed, surface mounted. For bottom feed, change "T" in position 12 to "B". For flush mounting, change "S" in position 13 to "F".

Replace fifth and sixth position in panelboard catalog number, with alternate main breaker code.

Note: Original P1 was produced until 2015 and in January the revised P1 was introduced. All interior numbers that end with "T" or "N" are the new Revised interiors. "T" at end of catalog number indicates there is a Subfeed area available. "N" at end of catalog number indicates there is no Subfeed area available.

Table P1-16 – Main Lugs Only

Main Lug Only			Original P1 – Subfeed Space	Revised P1 – Subfeed Space ^{①③}	Original P1 – Subfeed Space	Revised P1 – Subfeed Space ^{①③}	Original P1 – Subfeed Space	Revised P1 – Subfeed Space ^{①③④}
Max Panel Amp Rating	Max 1-Pole Circuits	Box Height (in.)	208Y/120V 3-Phase 4-Wire Catalog #	208Y/120V 3-Phase 4-Wire Catalog #	120/240V 1-Phase 3-Wire Catalog #	120/240V 1-Phase 3-Wire Catalog #	480Y/277V 3-Phase 4-Wire Catalog #	480Y/277V 3-Phase 4-Wire Catalog #
125	18	32	P1C18ML125ATS	P1C18ML125ATST ^②	P1A18ML125ATS	P1A18ML125ATST ^②	P1E18ML125ATS	P1E18ML125ATST ^②
	30	38	P1C30ML125ATS	P1C30ML125ATST	P1A30ML125ATS	P1A30ML125ATST	P1E30ML125ATS	P1E30ML125ATST
	42	44	P1C42ML125ATS	P1C42ML125ATST	P1A42ML125ATS	P1A42ML125ATST	P1E42ML125ATS	P1E42ML125ATST
	54	50	N/A	P1C54ML125ATST	N/A	P1A54ML125ATST	N/A	P1E54ML125ATST
	66	56	N/A	P1C66ML125ATST	N/A	P1A66ML125ATST	N/A	P1E66ML125ATST
250	18	32	P1C18ML250ATS	P1C18ML250ATST ^②	P1A18ML250ATS	P1A18ML250ATST ^②	P1E18ML250ATS	P1E18ML250ATST ^②
	30	38	P1C30ML250ATS	P1C30ML250ATST	P1A30ML250ATS	P1A30ML250ATST	P1E30ML250ATS	P1E30ML250ATST
	42	44	P1C42ML250ATS	P1C42ML250ATST	P1A42ML250ATS	P1A42ML250ATST	P1E42ML250ATS	P1E42ML250ATST
	54	50	N/A	P1C54ML250ATST	N/A	P1A54ML250ATST	N/A	P1E54ML250ATST
	66	56	N/A	P1C66ML250ATST	N/A	P1A66ML250ATST	N/A	P1E66ML250ATST
400	18	56	P1C18ML400ATS	—	P1A18ML400ATS	—	P1E18ML400ATS	—
	30	62	P1C30ML400ATS	P1C30ML400ATST	P1A30ML400ATS	P1A30ML400ATST	P1E30ML400ATS	P1E30ML400ATST
	42	68	P1C42ML400ATS	P1C42ML400ATST	P1A42ML400ATS	P1A42ML400ATST	P1E42ML400ATS	P1E42ML400ATST
	54	74	—	P1C54ML400ATST	—	P1A54ML400ATST	—	P1E54ML400ATST
	66 ^②	74 ^②	—	P1C66ML400ATSN ^②	—	P1A66ML400ATSN ^②	—	P1E66ML400ATSN ^②

Table P1-17 – Main Circuit Breaker

100	18	32	P1C18BL100ATS	P1C18BL100ATST ^②	P1A18BL100ATS	P1A18BL100ATST ^②	P1E18BD100ATS	P1E18BD100ATST ^②
	30	38	P1C30BL100ATS	P1C30BL100ATST	P1A30BL100ATS	P1A30BL100ATST	P1E30BD100ATS	P1E30BD100ATST
	42	44	P1C42BL100ATS	P1C42BL100ATST	P1A42BL100ATS	P1A42BL100ATST	P1E42BD100ATS	P1E42BD100ATST
	54	50	—	P1C54BL100ATST	—	P1A54BL100ATST	—	P1E54BD100ATST
	66	56	—	P1C66BL100ATST	—	P1A66BL100ATST	—	P1E66BD100ATST
125	18	32	P1C18NB125ATS	P1C18NB125ATST ^②	—	—	P1E18NB125ATS	P1E18NB125ATST ^②
	30	38	P1C30NB125ATS	P1C30NB125ATST	—	—	P1E30NB125ATS	P1E30NB125ATST
	42	44	P1C42NB125ATS	P1C42NB125ATST	—	—	P1E42NB125ATS	P1E42NB125ATST
	54	50	—	P1C54NB125ATST	—	—	—	P1E54NB125ATST
	66	56	—	P1C66NB125ATST	—	—	—	P1E66NB125ATST
225	18	32	P1C18QR225ATS	P1C18QR225ATST ^②	P1A18QR225ATS	P1A18QR225ATST ^②	P1E18FX250ATS	P1E18FX225ATST ^②
	30	38	P1C30QR225ATS	P1C30QR225ATST	P1A30QR225ATS	P1A30QR225ATST	P1E30FX250ATS	P1E30FX225ATST
	42	44	P1C42QR225ATS	P1C42QR225ATST	P1A42QR225ATS	P1A42QR225ATST	P1E42FX250ATS	P1E42FX225ATST
	54	50	—	P1C54QR225ATST	—	P1A54QR225ATST	—	P1E54FX225ATST
	66	56	—	P1C66QR225ATST	—	P1A66QR225ATST	—	P1E66FX225ATST
250	18	32	P1C18FX250ATS	P1C18FX250ATST ^②	P1A18FX250ATS	P1A18FX250ATST ^②	P1E18FX250ATS	P1E18FX250ATST ^②
	30	38	P1C30FX250ATS	P1C30FX250ATST	P1A30FX250ATS	P1A30FX250ATST	P1E30FX250ATS	P1E30FX250ATST
	42	44	P1C42FX250ATS	P1C42FX250ATST	P1A42FX250ATS	P1A42FX250ATST	P1E42FX250ATS	P1E42FX250ATST
	54	50	—	P1C54FX250ATST	—	P1A54FX250ATST	—	P1E54FX250ATST
	66	56	—	P1C66FX250ATST	—	P1A66FX250ATST	—	P1E66FX250ATST
400	18	56	P1C18JX400ATS	—	P1A18JX400ATS	—	P1E18JX400ATS	—
	30	62	P1C30JX400ATS	P1C30JX400ATST	P1A30JX400ATS	P1A30JX400ATST	P1E30JX400ATS	P1E30JX400ATST
	42	68	P1C42JX400ATS	P1C42JX400ATST	P1A42JX400ATS	P1A42JX400ATST	P1E42JX400ATS	P1E42JX400ATST
	54	74	—	P1C54JX400ATST	—	P1A54JX400ATST	—	P1E54JX400ATST
	66 2	74 2	—	P1C66JX400ATSN ^②	—	P1A66JX400ATSN ^②	—	P1E66JX400ATSN ^②

Table P1-18 – Standard Enclosures

Box Height (in.)	Catalog Number				
	Type 1 Standard Trim				
	Box ^③	Surface ^④	Flush ^⑤	Type 3R ^⑦	Type 3R/12 ^⑦
26	B26	S26B	F26B	NR26	WP26
32	B32	S32B	F32B	NR32	WP32
38	B38	S38B	F38B	NR38	WP38
44	B44	S44B	F44B	NR44	WP44
50	B50	S50B	F50B	NR50	WP50
56	B56	S56B	F56B	NR56	WP56
62	B62	S62B	F62B	NR62	WP62
68	B68	S68B	F68B	NR68	WP68
74	B74	S74B	F74B	NR74	WP74

① For all products without subfeed space - change "T" at end to "N" and reduce box size by 6".

- ② No sub-feed space only for 400A 66 circuit.
- ③ BL/BQD/GB Type Mains are only available as Back-Fed. No kits are available for use in Main or Sub-feed space. (GB Type includes NGB, HGB and LGB Breakers). These breakers take up branch circuit space.
- ④ xGB interiors are not available as Non-Feed-Thru, without Subfeed Space.
- ⑤ 16 GA std., Optional 14 GA & 12 GA Enclosures only.
- ⑥ 14 Gauge Steel only.
- ⑦ 16 Gauge Can w/ 14 Gauge Front.
- ⑧ The New Revised P1 (18 circuit 250A only) is limited to 100A per connection (200A per pair) when installing Branch Breakers across from one another. All other configurations allow 125A per connection max. (250A per pair max.)

Panelboards

Type P2 Panelboard Kits and Accessories

Selection

Standard Enclosures

Box Height Inches	Catalog Number				
	Type 1 Standard Trim			Type 3R	Type 3R/12 ①
	Box	Surface	Flush		
26	B26	S26B	F26B	NR26	WP26
32	B32	S32B	F32B	NR32	WP32
38	B38	S38B	F38B	NR38	WP38
44	B44	S44B	F44B	NR44	WP44
50	B50	S50B	F50B	NR50	WP50
56	B56	S56B	F56B	NR56	WP56
62	B62	S62B	F62B	NR62	WP62
68	B68	S68B	F68B	NR68	WP68
74	B74	S74B	F74B	NR74	WP74

① Same as Type 3R with Gasket added for Type 12 Spec.

Options For Type 1 Trims

Items must be ordered as manual line item on Spartanburg

Hinged trim – Replace "B" suffix with "H"

Door-in-door – Replace "B" suffix with "D"

Screw to Box - Replace "B" suffix with "C"

Metal card holder - Add "M" suffix on all trims

Option For 24" Wide Enclosures with Equal Gutter on Both Sides (Excludes NEMA 3R)

24" wide with equal gutter on both sides - Add "24" as prefix

Breaker Kits and Accessories

Kit Number	Description	Contents
BBKB32 (P2/P3)	BL/BQD 6-pole 3" branch breaker kit	Kit contains top barrier, (3) A/C connectors, (1) B connector, hardware
BBKED32 (P2/P3)	ED 6-pole 3" branch breaker kit	Kit contains breaker support, inter-phase barriers, (3) A/C connectors, (1) B connector, hardware
BBKNB32 (P2/P3)	xGB 6-pole 3" branch breaker kit	Kit contains top barrier, (3) A/C connectors, (1) B connector, hardware
BBKGB32 (P2/P3)	xGB2 6-pole 3" branch breaker kit	Kit contains top barrier, (3) A/C connectors, (1) B connector, hardware
BBKQ1 (P2)	QJ/QR branch breaker kit for 2 and 3-pole single mount	Kit to contain all connectors and cover plates necessary to mount both 2 and 3-pole breakers
BBKQR1 ①	P2 branch BKR strap kit for single QR 1-phase/3-phase.	
BBKQR2 ①	P3 twin BKR mounting kit for QR 1-phase/3-phase.	
DFK1	BL, BQD, ED deadfront kit for 1" pole breakers	Center strips 3", 6", 9", 15", 21" plus mounting hardware
DFFP3	Deadfront filler 3"	3" empty space filler and hardware
DFFP6	Deadfront filler 6"	6" empty space filler and hardware
BNK2	Branch neutral (P2)	Three tier lug with mounting hardware to increase neutral capacity
P2BK1	P2 250A max. Bonding Kit	Bonding strap and hardware
P2BK2	P2 400A max. Bonding Kit	Bonding strap and hardware
P2BK3	P2 600A max. Bonding Kit	Bonding strap and hardware
BBKQRP1FK	P2 Filler for QR. Horizontal or vertical mount. 1-phase/3-phase.	Kit contains all cover plates necessary to change from QJ to QR both 2 and 3-pole breakers.
BBKQRP2FK	P3 Filler for QR. Dual mount horizontal. 1-phase/3-phase.	Kit contains all cover plates necessary to change from QJ to QR both 2 and 3-pole breakers. For 1-phase panel, both breakers must change from QJ to QR, cannot have one of each installed.
SEBKP2V1③	BL, BQD Main Service Entrance Barrier (P2 only)	Kit contains barrier, mounting brackets, and hardware
SEBKP2V2③	xGB Main Service Entrance Barrier (P2 only)	Kit contains barrier, mounting brackets, and hardware
SEBKP2V3③	FD, QJ, QR Horizontal Main Service Entrance Barrier (P2, P2 with SEM3, P3)	Kit contains barrier, mounting brackets, and hardware
SEBKP2V4③	FD, QJ, QR Vertical Main Service Entrance Barrier (P2, P2 with SEM3)	Kit contains barrier, mounting brackets, and hardware
SEBKP2V5③	ED Horizontal Main Service Entrance Barrier (P2, P2 with SEM3)	Kit contains barrier, mounting brackets, and hardware
SEBKP2V6②③	ED Vertical Main Service Entrance Barrier (P2, P2 with SEM3)	Kit contains barrier, mounting brackets, and hardware
SEBKP1P2P3V1③	JD, LD Service Entrance Barrier Kit (RP1, P1, P2, P3)	Kit contains barrier, mounting brackets, and hardware

① Although QR is rated 250A, it is limited to 225A in panelboard.

② Two kits required for P2 Extended circuit Panels

③ Factory installed and Field installable Service Entrance Barrier kits are now available as required by UL67. (In COMPAS, you must select Service Entrance Required.)

Type P1, P2, and P3 Panelboards

Miscellaneous Parts and Accessories

Catalog No.	Description	Catalog No.	Description
EGK	AI Ground Bus 44 Connections	NBK6	Number Strips 86-168 (snap-in type, P2/P3 panels)
P2BK1	P2 250A Bonding Kit	NBK7	Number Strips 169-210 (snap-in type, P2/P3 panels)
P2BK2	P2 400A Bonding Kit	NBK8	Number Strips 211-252 (snap-in type, P2/P3 panels)
P2BK3	P2 600A Bonding Kit	ECGK	Cu Ground Bus 44 Connections
IMK1	Interior Adjusting Kit	IGK	Insulated AI Ground Bus
11-1824-01	Directory Card Holder	ICGK	Insulated Cu Ground Bus
LPDC01	Directory Card (Pack of 10; ref. 12-1110-01)	EWK1	End Wall Kit with Knockouts (20" W x 5.75" DP)
ANSI/NEMA PB 1.1-2013	General Instructions for Proper Installation, Operation, and Maintenance of Panelboards Rated 600 V or Less (O&M Manual)①	EWK2	End Wall Kit with Knockouts (24" W x 7.75" DP)
NBK3	Number Strips 1-42 (snap-in type, P2/P3 panels)	DFFP1	1" Filler Plate – (used for BL/BQD/xGB/xGB2/ED blank positions) (suitable for replacing QF3 in P1 thru P5 Panelboards and Switchboards)
NBK4	Number Strips 43-84 (snap-in type, P2/P3 panels)	EBF1	NEB/HEB Filler Plate
NBK5	Number Strips 85-126 (snap-in type, P2/P3 panels)		

① PDF can be downloaded (at no cost) and printed at this location: <http://www.nema.org/standards/pages/Panelboards.aspx>