

Panelboards

General Specifications

General

Bussing Sequence

Interiors are designed to accommodate top or bottom feed. Regardless of which is specified, the uppermost pole is always on "A" phase; the second pole down is always on "B" phase, and the third pole down is always on "C" phase (assuming 3Ø panel).

As standard, branch breakers shall be mounted at the top of the panel with "spaces" at the bottom, regardless of the direction panel is fed.

All breakers have bolted connections except plug-in type. The panel design provides bracing up to 200,000A IR UL short circuit rating.



Circuit Breaker Lighting
Panel Type P1



Circuit Breaker Lighting or
Distribution Panel Types P2/P3



Circuit Breaker Distribution
Panel Type P4/P5



Fusible Switch Distribution
Panel Type P4/P5

Panelboard Ratings (Updated June 2014 with release of Revised P1 design)

Description	P1 Revised	P2	P3	P4	P5
Max. Voltage	480V AC Max. [®] 600Y/347V AC [®]	600V AC Max. 250V DC Max.	600V AC Max. 250V DC Max.	600V AC Max. 250V DC Max.	600V AC Max. 250V DC Max.
System	1-Phase, 2-wire 1-Phase, 3-wire 3-Phase, 3-wire 3-Phase, 4-wire	1-Phase, 2-wire 1-Phase, 3-wire 3-Phase, 3-wire 3-Phase, 4-wire	1-Phase, 2-wire 1-Phase, 3-wire 3-Phase, 4-wire 3-Phase, 3-wire	1-Phase, 3-wire 3-Phase, 4-wire 3-Phase, 3-wire	1-Phase, 3-wire 3-Phase, 4-wire 3-Phase, 3-wire
Mains					
Main Lugs	125A-400A	125A-600A	250A-800A	400A-1200A	800A-1200A
Main Breaker	100A-400A	100A-600A	225A-800A	400A-800A	800A-1200A
Main Switch (Vacu-Break)	—	—	—	—	200A-1200A
Molded Case Switch[®]	150A-400A	150A-600A	150A-800A	400A-800A	400A-800A
Circuits	18, 30, 42, 54, 66 (250A) 30, 42, 54, 66 (400A)	18, 30, 42, 54, 66 78, 90 ^①	(unit space 9"- 45")	—	—
Branch Ratings	15-125A	15-400A	15-400A	15-800A MCCB 30-200A Fusible	15-1200A MCCB 30-1200 Fusible
Branch Disconnect Devices (see detailed tables for UL type codes)	BL/BQD series [®] , BT series, xGB series ^② , 3VA41 series, AFCI/GFCI series	BL/BQD series [®] , BT series, xGB series, 3VA41 series, QR series, AFCI/GFCI series, ED series, 3VA52/61/62 series ^③	BL/BQD series [®] , BT series, xGB series, 3VA41 series, QR series, AFCI/GFCI series, ED series, 3VA52/61/62 series ^③	All 15-600A MCCBs, VL MG at 800A and 30-200A VB switches, 3VA52/61/62 series, 3VA53/63 series, 3VA54/64 series	All 15-1200A MCCBs, 30-600A VB switches and 400-1200A HCP switches, 3VA52/61/62 series, 3VA53/63 series, 3VA54/64 series
Subfeed Circuit Breakers^{②③} (see detailed tables for UL type codes)	BL/BQD series [®] , xGB series ^② , 3VA41 series, QR series, FD series, 3VA52/61/62 series	FD series, JD series, 3VA53/63 series	FD series, JD series, 3VA53/63 series	—	—
Enclosure Heights Inches – (mm)	26, 32, 38, 44, 50, 56 @250A (660, 813, 965, 1118, 1270, 1422) 56, 62, 68, 74 @400A (1422, 1575, 1727, 1880)	26, 32, 38, 44, 50, 56, 62, 68, 74 (660, 813, 965, 1118, 1270, 1422, 1524, 1575, 1727, 1880)	56, 68, 80 (24" W) (1422, 1727, 2032) (68"H & 80"H in 30"W Type 1 only)	60, 75, 90 (1524, 1905, 2286)	60, 75, 90 (1524, 1905, 2286)
Standard Trims	Fas-Latch – 1 Piece Surface or Flush	Fas-Latch – 1 Piece Surface or Flush	Fas-Latch – 1 Piece Surface or Flush	Four Piece ^④ Surface or Flush	Four Piece ^④ Surface or Flush

① Functional pricing is based on circuits shown. However, the panel can be figured with less circuits.

② P1 can have max. 1 subfeed breaker when Subfeed Space is available. P2 and P3 can have up to (2) FD subfeed breakers.

③ JD and FD breakers are mounted vertical. Limitations apply.

④ Trim ring provided for flush applications.

⑤ A maximum of (4) QR/3VA52/3VA62/61 breakers may be mounted in a P2 Panel and are single mounted.

⑥ A maximum of (6) QR/3VA52/3VA62/61 breakers may be mounted in a P3 panel in 24" wide enclosure. Up to 12 can be installed with 30" wide enclosure.

⑦ P1 panels with xGB/3VA41 are limited to interiors for

xGB/3VA41 breakers only.

⑧ Factory assembled P1 has capability of 600Y/347V AC system when the proper breakers are selected.

⑨ BQD6 is not UL Listed. Only for CUL and CSA panels.

⑩ MCS can be used as a Main but not as a service disconnect or a branch.