

DATA SHEET

P5 Power Panelboards

usa.siemens.com/power-panels

Overview

Siemens P5 Power Panel is the highest capacity panelboard in Siemens portfolio, rated at 1200A. P5 offers a versatile solution for commercial, industrial, and critical power applications, featuring enhanced safety, reliable circuit protection, and intelligent devices for a future ready solution.

Industry, Standards and Compliance

- UL50, Enclosures and Electrical Equipment
- UL67, Panelboards
- NEMA PB-1, Panelboards
- ANSI/NFPA 70, National Electric Code
- Optional Seismic UBC and IBC Ip = 1.5
- Optional Health Care Access and Information (HCAI)

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Technical Specifications

P5 Panelboard Specifications

		P5 Power Panels	P5 Plug-in with 3VA6*
System voltage		600V AC max/250V DC max	600V AC max
Interrupt Ratings		200 kAIC max	150 kAIC max
Service Entrance		Optional	No
Bus Material		Aluminum	1000 A/SI Copper
		Tin plated copper	
		750 A/SI Aluminum	
		1000 A/SI Copper	
Feed		Top or Bottom	
Front/Trim		4-piece trim, door-in-door	Door-in-door
Paint Color		ANSI61 Gray	
Weight		10 lb. per inch of box height	
Mains	Type	Main Lug Only, Main Breaker, Main Switch	Main Lug Only, Main Breaker
	Amperage (A)	400-1200	400-1200 (Main Breaker) 1200 Only (Main Lug Only)
		200-1200 (Main Switch)	
	Lug Size	(4) 500Kcmil AL per phase and neutral	
		(4) 350Kcmil CU per phase and neutral	
		Ground lugs per NEC/UL, AL/CU rated	
Branch**	Breaker Family	BL, BQD, QR, Sentron & 3VA	3VA Only
	Frame Size (A)	100, 125, 150, 225, 250, 400, 600, 800, 1000, 1200	150, 250, 400, 600, 800, 1000
	Trip Unit Type	TMTU, ETU	TMTU (bolt-on only), ETU
	Branch Switch (A)	30 – 1200	N/A
Enclosure	Type	NEMA 1	NEMA 1
		NEMA 3R/12	
	Locking	Push-in Lock, 3-point latch	Push-in Lock
	Height (in)	60, 75, 90	
	Width (in)	32, 38	44
	Depth (in)	12.75 (type 1) or 14.25 (type 3R/12)	14.5

* 150/250/400/600A breakers are plug-in only, and 800/1000/12000A breakers are bolt-on only.

** Refer to the SPEEDFAX for available unit space and branch breaker mounting information.

Torque Values

Equipment is tested and inspected before shipment. However, shipping conditions may have loosened some connections. BEFORE ENERGIZING, it is STRONGLY recommended that the tightness of all accessible connections be checked. When torque values are not marked on the devices, tighten all connections to the values indicated on this label.

3VA NUTKEEPERS

Breaker Type	Torque (lb-in)
3VA52 / 61 / 62	177
3VA53 / 63 / 54 / 64	354
3VA55 / 65 / 66	275

BOLT / NUT SETS

Size	Torque (lb-in)
1/4"-20	72
5/16"-18	144
3/8"-16	240*
1/2"-13	500

Connectors used to terminate field-made connections are suitable for use with CU or AL, 60°C or 75°C rated conductors, unless noted otherwise on the devices.

LUG SLOT SCREWS			LUG SET SCREWS	
WireSize (AWG)	SMALL hole (lb-in)	LARGE hole (lb-in)	Allen Wrench	Torque (lb-in)
#14 - #10	20	35	7/32"	150
#8	25	40	1/4"	200
#6	35	45	5/16"	275
#4	-	45	3/8"	375
#3 - 2/0	-	50	1/2"	500
3/0	-	200	9/16"	600

Thread Forming Screw	BUS CONNECTIONS Torque per BusType (lb-in)						BREAKER CONNECTIONS	
	1/8"AL	1/8"CU	3/16"AL	3/16"CU	1/4"AL	1/4"CU	Size	lb-in
#10-24	20	25	30	50	30	50	#10-32	20
1/4"-20	30	50	30	72	50	72	1/4"-20	72
5/16"-18	-	72	108	144	108	144	*also tapped CU straps	

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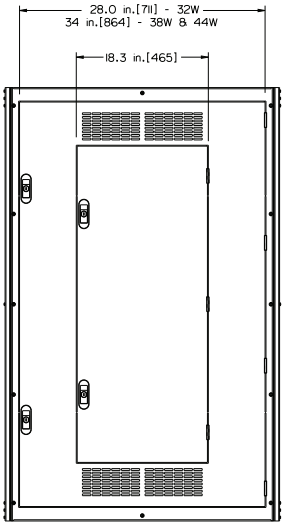
Wire Bending Space

Max Amps	Code	Breaker Types	Code	32" W box	38" W box	44" W box*
100	A	BL, BLH, HBL, BQD | BL, BLH, HBL, BQD	A	11.00 (279)	14.00 (356)	N/A
125	B	3VA41 - [MEAB, HEAB, CEAB] | 3VA41 - [MEAB, HEAB, CEAB]	B	10.98 (279)	13.98 (355)	N/A
225	F	QR2, QRH2, HQR2, HQR2H | QR2, QRH2, HQR2, HQR2H	F	5.75 (146)	8.75 (222)	N/A
250	AA	3VA52 - [MFAS, HFAS, CFAS] | 3VA52 - [MFAS, HFAS, CFAS]	AA	7.10 (180)	10.10 (257)	N/A
150	AB	3VA61 - [MDAE, HDAE, CDAE, LDAE] | 3VA61 - [MDAE, HDAE, CDAE, LDAE]	AB	6.59 (167)	9.59 (244)	10.52 (267)
250	AC	3VA62 - [MFAE, HFAE, CFAE, LFAE] | 3VA62 - [MFAE, HFAE, CFAE, LFAE]	AC	6.59 (167)	9.59 (244)	10.52 (267)
400	AD	3VA53 - [MJAS, HJAS, CJAS] | 3VA53 - [MJAS, HJAS, CJAS]	AD	N/A	6.45 (164)	N/A
400	AE	3VA63 - [MJAE, HJAE, CJAE, LJAE] | 3VA63 - [MJAE, HJAE, CJAE, LJAE]	AE	N/A	6.45 (164)	N/A
600	AF	3VA54 - [MLAS, HLAS, CLAS] | 3VA54 - [MLAS, HLAS, CLAS]	AF	N/A	6.45 (164)	N/A
600	AG	3VA64 - [MLAE, HLAE, CLAE, LLAE] | 3VA64 - [MLAE, HLAE, CLAE, LLAE]	AG	N/A	6.45 (164)	N/A
400	AH	3VA53 - [MJAS, HJAS, CJAS]	AH	8.88 (226)	11.88 (302)	N/A
400	AI	3VA63 - [MJAE, HJAE, CJAE, LJAE]	AI	8.88 (226)	11.88 (302)	11.38 (289)
600	AJ	3VA54 - [MLAS, HLAS, CLAS] (left or right facing)	AJ	8.88 (226)	11.88 (302)	N/A
600	AK	3VA64 - [MLAE, HLAE, CLAE, LLAE]	AK	8.88 (226)	11.88 (302)	11.38 (289)
800	AL	3VA55 - [MMAS, HMAS, CMAS]	AL	10.20 (259)	13.20 (335)	16.20 (411)
800	AM	3VA65 - [MMAE, HMAE, CMAE]	AM	10.20 (259)	13.20 (355)	16.20 (411)
1000	AN	3VA66 - [MMNAE, HMNAE, CMNAE]	AN	10.00 (254)	12.60 (320)	15.60 (396)
1200	AO	3VA57 - [MNAS, HNAS, CNAS]	AO	N/A	12.34 (313)	15.34 (390)
1200	AP	3VA67 - [MNAE, HNAE, CNAE]	AP	N/A	12.34 (313)	15.34 (390)
Legacy Frame Breakers below for reference; may not be available						
125	D	ED4, ED6, HED4, HHED6 | ED4, ED6, HED4, HHED6	D	7.00 (178)	10.00 (254)	N/A
125	E	CED6 | CED6	E	4.61 (117)	7.61 (193)	N/A
250	G	FD6, FXD6, HFD6, HHFD6 | FD6, FXD6, HFD6, HHFD6	G	5.25 (133)	8.25 (210)	N/A
250	J	CFD	J	8.76 (223)	11.76 (299)	N/A
400	K	JD6, JXD6, HJD6, HHJD6 | JD6, JXD6, HJD6, HHJD6	K	4.92 (125)	7.92 (201)	N/A
30	S	VB 30 A | VB 30 A	S	7.00 (178)	10.00 (254)	N/A
60	T	VB 30-60A | VB 30-60A	T	5.00 (127)	8.00 (203)	N/A
100	U	VB 60-100A | VB 60-100A	U	7.50 (191)	10.50 (267)	N/A
200	V	VB 200A | VB 200A	V	7.50 (191)	10.50 (267)	N/A
100	W	VB 100A Single	W	6.30 (160)	9.30 (236)	N/A
200	X	VB 200A Single	X	7.30 (185)	10.30 (262)	N/A
600	Y	VB 400-600A Single	Y	6.30 (160)	9.30 (236)	N/A
1200	Z	HCP 400-1200A Single	Z	N/A	10.30 (262)	N/A

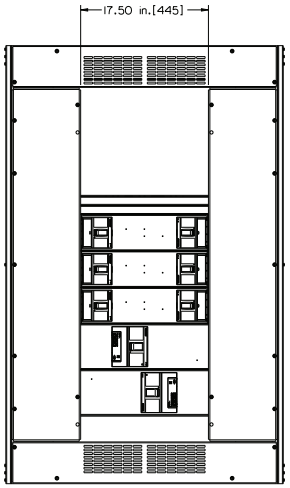
*Available with the P5 Plug-in with 3VA6 Only - 150/250/400/600A breakers are plug-in only, and 800/1000/12000A breakers are bolt-on only

Panelboard Drawing Views

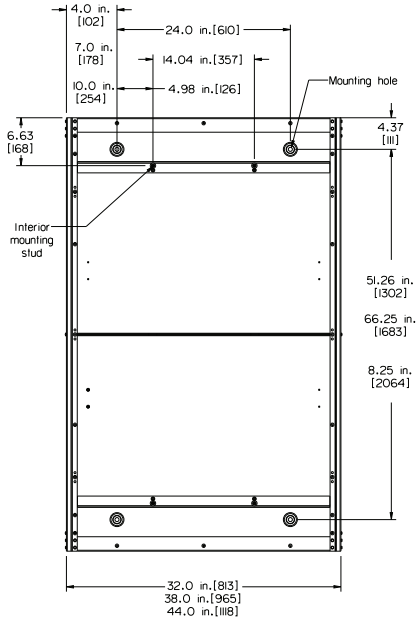
Type 1 Box



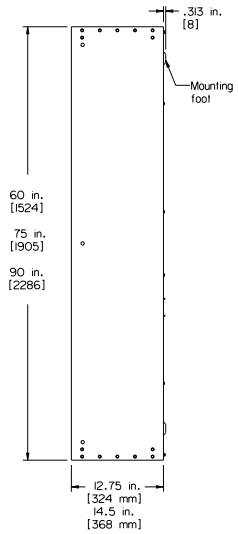
With Door-In-Door Trim Front



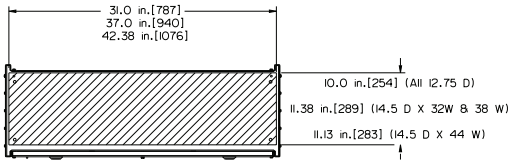
With 4-Piece Trim Front
And Installed Interior



Front View No Trim Front

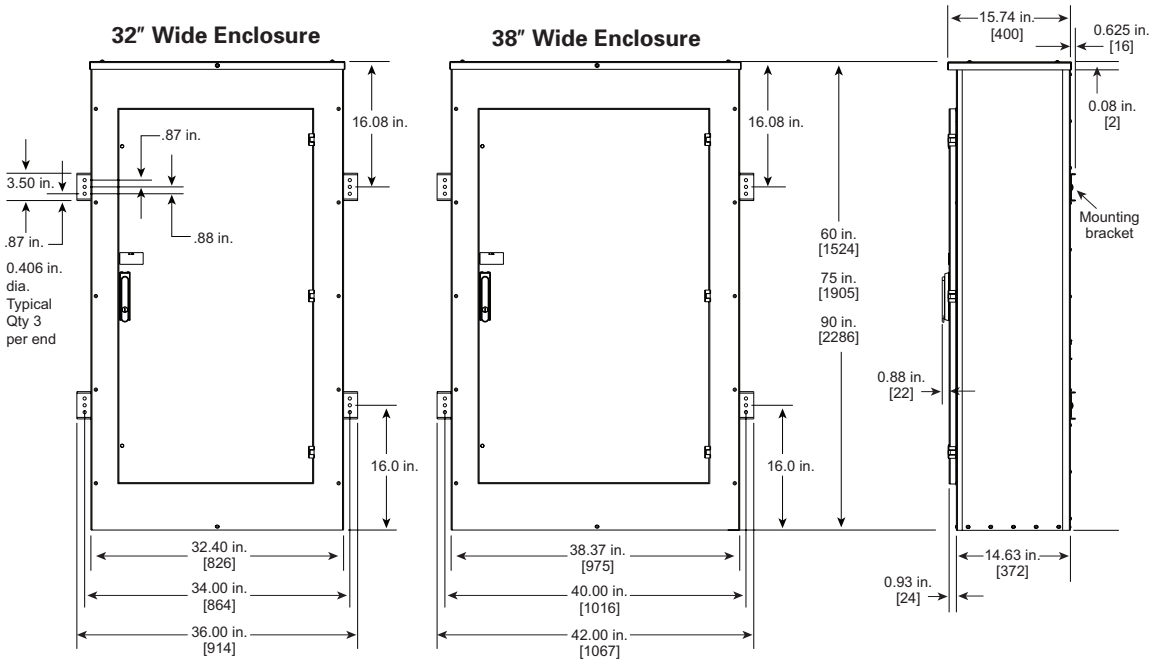


Enclosure Side View



Recommended Conduit Area
End View

Type 3R and 3R/12 Box



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