SIEMENS

P5 POWER PANELS

Unassembled panelboards

The UPP Program
usa.siemens.com/panelboards



Siemens announces the addition of P5 power panels to our unassembled panelboard program

The new program brings all of the benefits of the current program and can now be applied to the most common power panel configurations. Participants in the program can now offer a range of P5 panelboards with:

Same day availability: Over the counter availability means your customer is on and off the job without the delays that come with waiting for factory assembled panelboards.

Flexibility and ease of assembly:
Customers can purchase a panel and configure it with breakers locally rather than waiting the traditional lead time for an assembled panel. The P5 designs allow for main breaker to main lug conversion (and vice versa). Surface mount vent and gutter covers come included with every interior. All interiors are density rated for 1200 amps and are available in copper and can be field converted from a Type 1 to Type 3R enclosure for maximum flexibility.

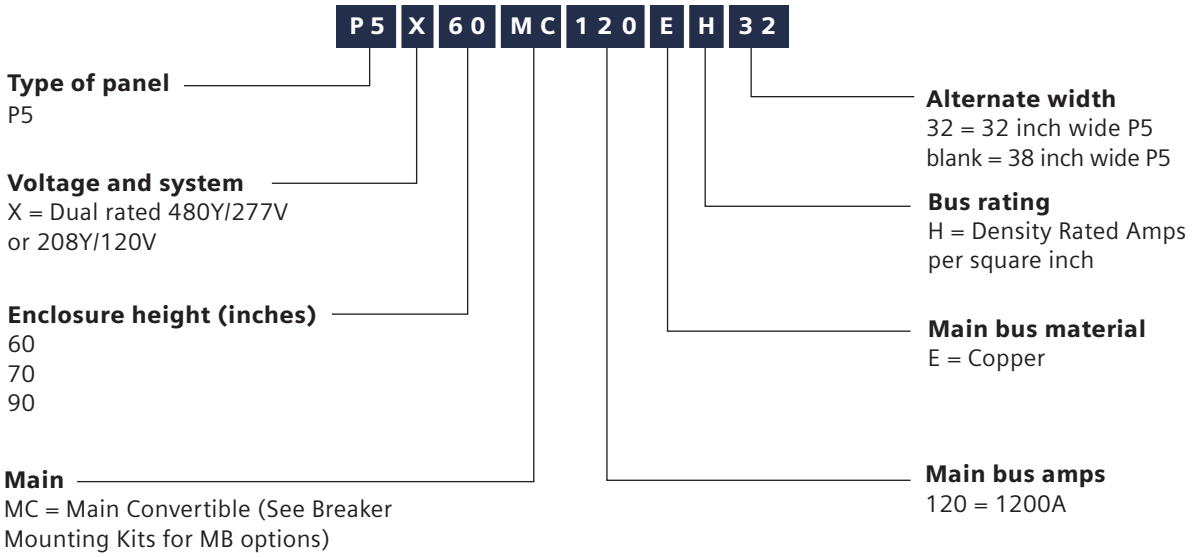
All Siemens unassembled panelboards are fully backed for high-quality, trouble-free operation and are labeled as suitable for use as service entrance equipment.

Enclosure sizes are setup to allow the user to customize the amount of unit space needed for any application.

The interiors for the power panels come assembled in the indoor enclosure for your convenience, while shipping out of warehouse stock to minimize lead time. Interiors ship with vent and outer covers for surface mount application.

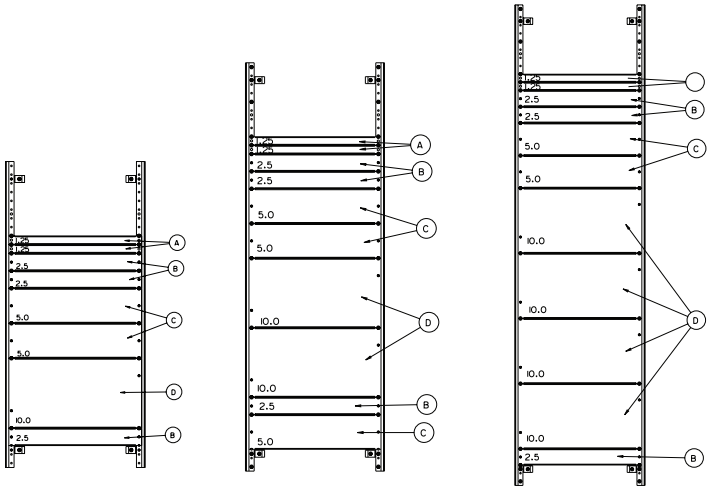
Interiors are assembled with a variety of blank unit space plates. These pre-packaged kits allow for the flexibility to customize branch circuits while minimizing the complexity of traditional made-to-order power panels.

Catalog numbering system:



Filler plates

Drawing image	Catalog number	Description	Mounting space used
	QF3	BL, BQD, ED filler plate	1″
A	6FPB01	Blank unit space plate	1.25″
B	6FPB02	Blank unit space plate	2.5″
C	6FPB03	Blank unit space plate	3.75″
D	6FPB05	Blank unit space plate	5″
E	6FPB10	Blank unit space plate	10″



Metal components: interiors and enclosures

Panel type	Bus ampere rating	Available branch circuit mounting space	Type 1 enclosure with interior 3 Phase, 4 Wire (2) (3)	Enclosure dimensions W x H x D	Bus material
P5	1200 (1)	30	P5X60MC120EH32	32" W x 60" H x 12.75" D	Copper
		45	P5X75MC120EH32	32" W x 75" H x 12.75" D	
		60	P5X90MC120EH32	32" W x 90" H x 12.75" D	
		60	P5X90MC120EH	38" W x 90" H x 12.75" D	

3VA main mounting kits

Panel type	3VA frame	3VA frame amperage	Catalog Number (7)	Unit space needed	Service entrance barrier kit (4)
P5	3VA53, 3VA63	400A	S3VA53TD	6.25"	SEBPPVA1
	3VA54, 3VA64	600A	S3VA54TD	6.25"	SEBPPVA1
	3VA55, 3VA65	800A	S3VA55TD (5)	8.75"	SEBPPVA2 (5)
	3VA66	1000A	S3VA55TD (5)	8.75"	SEBPPVA2 (5)

Legacy main mounting kits

Panel type	Main disconnect mounting kit	Catalog number	Unit space needed	Service entrance barrier kit (4)
P5	Sentron JD/LD	SMBKL6	8.75″	SEBP4V1
	VL Electronic JG/LG (6)	SMBKLG	6.25″	SEBP4V3
	VL MG	SMBKMG	8.75″	SEBP4V1
	Sentron JD/LD	SMBKL6D	8.75″	SEBP4V1
	VL Electronic JG/LG (6)	SMBKLG1D	6.25″	SEBP4V3
	VL MG	SMBKMG1D	8.75″	SEBP4V1
	HCP Main Switch	SMSKHCP	16.25″	SEBP5V4

Incoming lug kit

Panel type	Material	Wire range	Catalog number
P5	Al/Cu	1/0-750 Kcmil	SMLK12

Type 3R enclosures

Panel type	Catalog number	Enclosure description
P5	WPS860R32	Type 3R/12 32″ W x 14.25″ D x 60″ H
	WPS875R32	Type 3R/12 32″ W x 14.25″ D x 75″ H
	WPS890R32	Type 3R/12 32″ W x 14.25″ D x 90″ H
	WP890	Type 3R/12 38" W x 14.25" D x 90" H

Type 1 to 3R conversion kit (3)

Catalog #	P53RCONVKIT	Contains interior accessories to convert panel from Type 1 to 3R enclosure

(1) Bus rating is 1200 amps. Maximum available main breaker is 800 amps. Maximum available main lug is 1200 amps.
(2) All enclosures with interiors are dual voltage rated for either 480Y/277V or 208Y/120V.
(3) All Interiors are density rated to allow for field conversion to a Type 3R, conversion kit #P53RCONVKIT is required
(4) Service entrance barrier kits are required for service entrance only.
(5) Product not released.
(6) VL 150-600A phase out scheduled for 10/1/2022.
(7) 3VA strap kit can be utilized in both main and branch applications.

P5 3VA Branch Circuit Breakers

Amp rating	Trip type	Breaker family	Breaker type (or) UL designation	Amp ratings avail.	32"W Encl.		38"W Encl.		Unit Space per kit (In.)	Max. 1-pole Circuits per kit	Strap kit Catalog number (1)
					Single Mount	Twin Mount	Single Mount	Twin Mount			
125	Thermal Magnetic	3VA41	SEAB, MEAB, HEAB	15-125	—	T	—	T	3.75	6	S3VA41TD (3)
150	Electronic (Solid state)	3VA61	MDAE, HDAE, CDAE, LDAE	40-150	—	T	—	T	5.00	6	S3VA52TD
250	Thermal Magnetic	3VA52	MFAS,HFAS, CFAS	100-250	—	T	—	T	5.00	6	
	Electronic (Solid state)	3VA62	MFAE, HFAE, CFAE, LFAE	100-250	—	T	—	T	5.00	6	
400	Thermal Magnetic	3VA53	MJAS, HJAS, CJAS	200-400	S	—	S	T	6.25	3	Single Mount: #S3VA53TD Twin Mount: #S3VA53T2D (2)
	Electronic (Solid state)	3VA63	MJAE, HJAE, CJAE, LJAE	250-400	S	—	S	T	6.25	3	
600	Thermal Magnetic	3VA54	MLAS, HLAS, CLAS	450, 500, 600	S	—	S	—	6.25	3	S3VA54TD
	Electronic (Solid state)	3VA64	MLAE, HLAE, CLAE, LLAE	400, 600	S	—	S	—	6.25	3	
800	Thermal Magnetic	3VA55	NMAS, HMAS CMAS	600, 700, 800	S	—	S	—	8.75	3	S3VA55TD (2)
	Electronic (Solid state)	3VA65	MMAE, HMAE, CMAE	600, 800	S	—	S	—	8.75	3	
1000	Electronic (Solid state)	3VA66	MMNAE, HMNAE, CMNAE	1000	S	—	S	—	8.75	3	S3VA55TD (2)

(1) Strap kits only, branch breakers must be ordered separately.

(2) 3VA strap kit not yet released.

(3) Strap Kit can accommodate either xGB or 3VA41 breakers, reference Installation Instructions.

P5 3VA Branch Circuit Breakers

Amp rating	Trip type	Breaker family	Breaker type (or) UL designation	2-Pole and 3-pole Max IR (kA) at 600V	125/250V	250V DC	Amp ratings avail.	32"W Encl. Single mount	38"W Encl. Single mount	38"W Encl. Twin mount	Unit Space per kit (In.)	Max 1-pole circuits per kit	Strap kit (1) Catalog number
125	Thermal Magnetic	3VA41	SEAB	—	50	50	15-125	—	—	T	3.75	6	S3VA41TD (3)
			MEAB	—	85	85	15-125	—	—	T	3.75	6	
			HEAB	—	100	100	15-125	—	—	T	3.75	6	
150	Electronic (Solid state)	3VA61	MDAE	18	—	—	40-150	—	—	T	5.00	6	
			HDAE	22	—	—	40-150	—	—	T	5.00	6	
			CDAE	35	—	—	40-150	—	—	T	5.00	6	
			LDAE	50	—	—	40-150	—	—	T	5.00	6	
250	Thermal Magnetic	3VA52	MFAS	18	—	50	100-250	—	—	T	5.00	6	S3VA52TD
			HFAS	25	—	85	100-250	—	—	T	5.00	6	
			CFAS	35	—	100	100-250	—	—	T	5.00	6	
	Electronic (Solid state)	3VA62	MFAE	—	—	—	100-250	—	—	T	5.00	6	
			HFAE	—	—	—	100-250	—	—	T	5.00	6	
			CFAE	—	—	—	100-250	—	—	T	5.00	6	
			LFAE	—	—	—	100-250	—	—	T	5.00	6	
400	Thermal Magnetic	3VA53	MJAS	18		50	200-400	S	S	T	6.25	3	Single Mount #S3VA53TD, Twin Mount #S3VA53T2D
			HJAS	25		85	200-400	S	S	T	6.25	3	
			CJAS	35		100	200-400	S	S	T	6.25	3	
	Electronic (Solid state)	3VA63	MJAE	18		na	250, 400	S	S	T	6.25	3	
			HJAE	22		na	250, 400	S	S	T	6.25	3	
			CJAE	35		na	250, 400	S	S	T	6.25	3	
			LJAE	50		na	250, 400	S	S	T	6.25	3	
600	Thermal Magnetic	3VA54	MLAS	18		50	450, 500, 600	S	S	—	6,25	3	S3VA54TD
			HLAS	25		85	450, 500, 600	S	S	—	6.25	3	
			CLAS	35		100	450, 500, 600	S	S	—	6.25	3	
	Electronic (Solid state)	3VA64	MLAE	18		na	400, 600	S	S	—	6.25	3	
			HLAE	22		na	400, 600	S	S	—	6.25	3	
			CLAE	35		na	400, 600	S	S	—	6.25	3	
			LLAE	50		na	400, 600	S	S	—	6.25	3	
800 (2)	Thermal Magnetic	3VA55	NMAS	18		50	600, 700, 800	S	S	—	8.75	3	S3VA55TD
			HMAS	25		85	600, 700, 800	S	S	—	8.75	3	
			CMAS	35		100	600, 700, 800	S	S	—	8.75	3	
	Electronic (Solid state)	3VA65	MMAE	25		na	600, 800	S	S	—	8.75	3	
			HMAE	35		na	600, 800	S	S	—	8.75	3	
			CMAE	50		na	600, 800	S	S	—	8.75	3	
1000 (2)	Electronic (Solid state)	3VA66	MMNAE	25		na	1000	S	S	—	8.75	3	S3VA55TD
			HMNAE	35		na	1000	S	S	—	8.75	3	
			CMNAE	50		na	1000	S	S	—	8.75	3	

(1) Strap kits only, branch breakers must be ordered separately.

(2) 3VA strap kit not yet released.

(3) Strap kit can accommodate either xGB or 3VA41 breakers, reference installation instructions.

Branch circuit mounting kits (1)

Amp	Application	Frame type	Poles	Trip amperage	120	240	480/277	480	P4 Strap (2)	Mounting	P5 Strap	Mounting	Unit Height
100	Thermal Magnetic	BL	1,2,3	15-125	10,000	10,000			SBL	Twin	SBLBD	Twin	3.75″
		BLR	2	15-100	10,000	10,000			SBL	Twin	SBLBD	Twin	3.75″
		BLH	1,2,3	15-125	22,000	22,000			SBL	Twin	SBLBD	Twin	3.75″
		HBL	1,2,3	15-125	65,000	65,000			SBL	Twin	SBLBD	Twin	3.75″
		BQD	1,2,3	15-100	65,000	65,000	1400		SBL	Twin	SBLBD	Twin	3.75″
	Special application	BL - HID	1,2	15-30	10,000	10,000			SBL	Twin	SBLBD	Twin	3.75″
		BL - BG	2,3	15-30	10,000	10,000			SBL	Twin	SBLBD	Twin	3.75″
	Ground Fault Interrupter	BLE - GFCI	1,2	15-60	10,000	10,000			SBL	Twin	SBLBD	Twin	3.75″
		BLEH - GFCI	1,2	15-60	22,000	22,000			SBL	Twin	SBLBD	Twin	3.75″
		BLF - GFCI	1,2	15-60	10,000	10,000			SBL	Twin	SBLBD	Twin	3.75″
		BLHF - GFCI	1,2	15-60	22,000	22,000			SBL	Twin	SBLBD	Twin	3.75″
	Arc Fault Circuit Interrupter	BAF - AFCI	1,2	15,20	10,000	10,000			SBL	Twin	SBLBD	Twin	3.75″
		BAFH - AFCI	1,2	15,20	22,000	22,000			SBL	Twin	SBLBD	Twin	3.75″
		BAFC - AFCI	1,2	15,20	10,000	10,000			SBL	Twin	SBLBD	Twin	3.75″
		BAFCH - AFCI	1,2	15,20	22,000	22,000			SBL	Twin	SBLBD	Twin	3.75″
125	Thermal Magnetic	NGB	1,2,3	15-125	100,000	100,000	25,000		S3VA41T (3)	Twin	S3VA41TD (3)	Twin	3.75″
		HGB	1,2,3	15-125	100,000	100,000	35,000		S3VA41T (3)	Twin	S3VA41TD (3)	Twin	3.75″
		LGB	1,2,3	15-125	100,000	100,000	65,000		S3VA41T (3)	Twin	S3VA41TD (3)	Twin	3.75″
		ED4	1,2,3	15-125	65,000	65,000	18,000	18,000	SE6	Twin	SE6D	Twin	3.75″
		HED4	1,2,3	15-125	100,000	100,000	42,000	42,000	SE6	Twin	SE6D	Twin	3.75″
		CED6	2,3	15-125		200,000	200,000	200,000	SCE	Twin	SCED	Twin	3.75″
225	Thermal Magnetic	QJ2	2,3	60-225		10,000			SQJ	Twin	SQJD	Twin	5″
		QJH2	2,3	60-225		22,000			SQJ	Twin	SQJD	Twin	5″
		QJ2H	2,3	60-225		42,000			SQJ	Twin	SQJD	Twin	5″
		QR2	2,3	100-225		10,000			SQR	Twin	SQRD	Twin	5″
		QRH2	2,3	100-225		25,000			SQR	Twin	SQRD	Twin	5″
		HQR2	2,3	100-225		65,000			SQR	Twin	SQRD	Twin	5″
		HQR2H	2,3	100-225		100,000			SQR	Twin	SQRD	Twin	5″
250	Thermal Magnetic	FXD6, FD6	2,3	70-250		65,000	35,000	35,000	SF6	Twin	SF6D	Twin	5″
		HFXD6, HFD6	2,3	70-250		100,000	65,000	65,000	SF6	Twin	SF6D	Twin	5″
		HHFXD6, HHFD6	2,3	70-250		200,000	100,000	100,000	SF6	Twin	SF6D	Twin	5″
		CFD6	2,3	70-250		200,000	200,000	200,000	SCF	Single	SCFD	Single	5″
400	Thermal Magnetic	JXD6, JD6	2,3	200-400		65,000	35,000	35,000	SJ1	Single	SJ2D	Twin	8.75″
		HJXD6, HJD6	2,3	200-400		100,000	65,000	65,000	SJ1	Single	SJ2D	Twin	8.75″
		HHJXD6, HHJD6	2,3	200-400		200,000	100,000	100,000	SJ1	Single	SJ2D	Twin	8.75″
		CJD6	2,3	200-400		200,000	200,000	200,000	SCJ	Single	SCJD	Single	8.75″
600	Thermal Magnetic	LXD6, LD6	2,3	250-600		65,000	35,000	35,000	SL6	Single	SL6D	Single	8.75″
		HLXD6, HLD6	2,3	250-600		100,000	65,000	65,000	SL6	Single	SL6D	Single	8.75″
		HHLXD6, HHLD6	2,3	250-600		200,000	100,000	100,000	SL6	Single	SL6D	Single	8.75″
		CLD6	2,3	250-600		200,000	200,000	200,000	SCL	Single	SCLD	Single	8.75″
800	Thermal Magnetic	NM	2,3	600-800		65,000	35,000	35,000	MG1	Single	MG1D	Single	8.75″
		HM	2,3	600-800		100,000	65,000	65,000	MG1	Single	MG1D	Single	8.75″
		LM	2,3	600-800		200,000	100,000	100,000	MG1	Single	MG1D	Single	8.75″

(1) Strap kits only, branch breakers must be ordered separately.

(2) P4 Power Panel phase out January 2022, strap kit availability may be limited.

(3) Strap kit can accommodate either xGB or 3VA41 breakers, reference installation instructions.

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