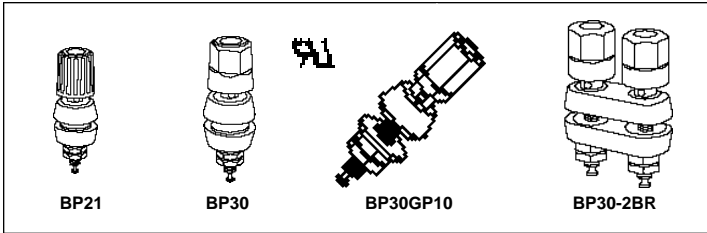


5-WAY® Binding Posts



Single Assembly Type

Mfr.'s Type	Color†	Plating	Stud	1-24	25-99
BP21 Series - Miniature Fluted Nut					
BP21R	Red	Gold	6-32	4.50	4.05
BP21B	Black	Gold		4.50	4.05
BP21RT	Red	Tin		3.20	2.88
BP21BT	Black	Tin		3.20	2.88
BP30 Series - Standard Hex Nut					
BP30R	Red	Gold	8-32	4.50	4.05
BP30B	Black	Gold		4.50	4.05
BP30RT	Red	Tin		3.20	2.88
BP30BT	Black	Tin		3.20	2.88
BP30-10R	Red	Gold	10-32	4.50	4.05
BP30-10B	Black	Gold		4.50	4.05
BP30-10RT	Red	Tin		3.20	2.88
BP30-10BT	Black	Tin		3.20	2.88
BP31 Series - Standard Fluted Nut					
BP31R	Red	Gold	8-32	4.50	4.05
BP31B	Black	Gold		4.50	4.05
BP31RT	Red	Tin		3.20	2.88
BP31BT	Black	Tin		3.20	2.88
BP31-10R	Red	Gold	10-32	4.50	4.05
BP31-10B	Black	Gold		4.50	4.05
BP31-10RT	Red	Tin		3.20	2.88
BP31-10BT	Black	Tin		3.20	2.88

All Metal Grounding Type

BP30GP10*	•••	Nickel	10-32	6.60	5.94
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† Also available in blue, green, white, yellow. Call Resource for availability.
* All metal grounding type is not UL listed.

Single Assembly Types — These *original* and most preferred five-way binding posts are now available in wider color, metal and design choices than ever before. Standard size types are rated 30 A and miniature types are rated 15 A, 1000 V working. Nylon plastic insulating parts come in non-fading, molded-through red or black (stocked) as well as white, blue, yellow or green color selections. Gold and tin plated brass current carrying parts are stocked (nickel plating also available). Single assembly types are available in standard size hex and fluted nut, miniature size fluted nut and all metal grounding versions. Standard sizes are also available with larger studs.

Double Assembly Types — Provide faster, more accurate 3/4-inch (19mm) center mounting. They have the same current ratings as single types and are available in molded-through red/black (stocked), red/red and black/black thumbnut color selections in standard, miniature and larger stud styles. Nylon plastic insulating parts are black only. Custom color ring double assembly types are also available.

Double Assembly Type

Mfr.'s Type	Color†	Plating	Stud	1-19	20-99
BP21 Series - Miniature Fluted Nut					
BP21-2BR	Black/Red	Gold Tin	6-32	10.50	8.40
BP21-2BRT				7.90	6.32
BP30 Series - Standard Hex Nut					
BP30-2BR	Black/Red	Gold	8-32	10.50	8.40
BP30-2BR10		Gold	10-32	10.50	8.40
BP30-2BRT		Tin	8-32	7.90	6.32
BP30-2BR10T		Tin	10-32	7.90	6.32
BP31 Series - Standard Fluted Nut					
BP31-2BR	Black/Red	Gold	8-32	10.50	8.40
BP31-2BR10		Gold	10-32	10.50	8.40
BP31-2BRT		Tin	8-32	7.90	6.32
BP31-2BR10T		Tin	10-32	7.90	6.32

† Also available in red/red and black/black. Call Resource for availability.
NOTE: Custom Color Ring 5-WAY® binding posts also available. Call Resource for details.

SUPERCON® Electrical Connectors

These electrical connectors contain the first significant design refinements in single conductor plug and receptacle styles. All have distinctive, functionally engineered plugs for handling ease and comfort. They provide safe, rapid and positive panelboard connections. Plastic insulating parts are available in red, white, blue, black, yellow or green nylon for attractive, quick circuit identification front and back panel. Current carry-

- Simplified, quick assembly
- Positive-grip plug design
- Nylon plastic parts
- Six attractive colors

ing parts are gold plated brass. Wiring connections can be either soldered or solderless; assembly is quick and simple. The 25, 50 and 100 AMP types are rated 125-250 VAC or VDC current interrupting, 600 V unenergized connect or disconnect use only; 250 AMP types are rated 600 V unenergized connect or disconnect use only. CSA certified under file number LR-17812.

Wiring Connection Data

PLUGS: Cable-fastening screws are provided which permit a range of cable sizes to be accommodated by the plug. **RECEPTACLES:** Wiring connection is made to a threaded stud by wire wrap-around, by lug or bus bar connection.

Color†	Pin Plug MFR'S. TYPE	Socket Receptacle MFR'S. TYPE	Socket Plug MFR'S. TYPE	Pin Receptacle MFR'S. TYPE	Each		
					1-19	20-99	100-199
25 Ampere Types							
Black Red	PP25GB PP25GR	RS25GB RS25GR	PS25GB PS25GR	RP25GB RP25GR	16.50	14.85	14.03
50 Ampere Types							
Black Red	PP50GB PP50GR	RS50GB RS50GR	PS50GB PS50GR	RP50GB RP50GR	20.50	18.45	17.43
100 Ampere Types							
Black Red	PP100GB PP100GR	RS100GB RS100GR	PS100GB PS100GR	RP100GB RP100GR	27.00	24.30	22.95
250 Ampere Types							
Black Red	PP250GB PP250GR	RS250GB RS250GR	PS250GB PS250GR	RP250GB RP250GR	45.00	40.50	38.25

† Also available in blue, green, white and yellow. Call Carlton-Bates Company for availability.



POWERSTAT® Variable Transformers

POWERSTAT® Variable Transformers provide a simple, rugged method of controlling electrical voltage, current and power. They take in utility line voltage and provide continuously adjustable output voltage. Patented epoxy coated POWERKOTE® Coils make the POWERSTAT® line the most outstanding value in variable transformers today. Without an increase in size or weight, these transformers give 20% average higher current ratings, 10:1 greater overload capability, longer life, greater resistance to fungus, salt spray and other contaminating atmospheres. **Open construction models (U suffix)** have the shaft extending from the base end for panel mounting. Because the shafts are removable, knobs can be placed at either end. **Suffix T models** have screened coils, covered motor drives and enclosed terminals. **Plug-in models (3PN prefix)** have input cord/plug sets, output receptacles, switches and fuses. **L Series models**, designed to meet OSHA requirements, are equipped with a grounded NEMA cord/plug assembly, on-off switch, pilot light, grounded output receptacle and fuse. The **L2M Series** is equipped with an analog output voltage and current meter, NEMA style output receptacle, 5-WAY® Binding Post output connections, "ON indicating" rocker style thermal magnetic circuit breaker and 5-15 input cord. Order POWERSTAT® Variable Transformer PBA Series enclosures separately below. Additional sizes, drives, enclosures and controls available. Call for details.

Fig. A

Fig. B

Fig. C

Fig. D

Fig. E

Fig. F

Fig. G

Fig. H

Fig. I

Fig. J

Fig. K

Features

- Rugged Construction
- Smooth Linear Control of Output Voltage
- Low Resistance, High Efficiency Coils
- No Waveform Distortion
- High Overload Capacity
- Very Durable and Reliable
- Easy to Select, Install and Control

120V Single-Phase Input

Mfr.'s Type	FIG	Output						Approx. Shpg. Wt. Lbs(kg)	Each
		Hertz	Volts	Constant Current Load		Constant Impedance Load			
				Max. Amp.	Max. KVA	Max. Amp.	Max. KVA		
L2M116C	A	50/60	0-140	10	1.4	—	—	22 (10)	619.00
L2M216C			0-280	1.5	0.49	—	—	22 (10)	676.00
L2M126C			0-140	15	1.8	—	—	28 (12.7)	832.00
L2M226C			0-280	3.1	1.05	—	—	28 (12.7)	832.00
10C	B	50/60	0-120	2.25	0.27	3	0.36	3 (1.4)	63.00
L10C	H	60	0-132	1.75	0.23	—	—	6 (2.7)	194.00
21†	D	50/60	0-120	5	0.60	7	0.84	6 (2.7)	114.00
L21C	H	50/60	0-140	4.5	0.63	—	—	11 (5.0)	254.00
116CT	F	50/60	0-120	10	1.2	13	1.6	12 (5.4)	217.00
116CU†	K		0-140	10	1.4	—	—		140.00
3PN116C	C		0-140	10	1.4	—	—		217.00
L116C	H		0-140	10	1.4	—	—		298.00
117CT	F	60	0-120	12	1.4	15	1.8	12 (5.4)	217.00
117CU†	K		0-120	12	1.4	15	1.8		157.00
3PN117C	C		0-120	12	1.4	15	1.8		254.00
126T	F		0-120	15	1.8	20	24		345.00
126U†	K	50/60	0-140	15	2.1	—	—	18 (8.2)	269.00
126	E		0-140	15	2.1	—	—		304.00
136BT	F		0-120	22	2.6	28	34		482.00
136BU†	K		0-140	22	3.1	—	—		392.00
136B	E	50/60	0-140	22	3.1	—	—	26 (11.8)	423.00
146T	F		0-120	30	3.6	35	42		749.00
146U†	K		0-140	30	4.2	—	—		618.00
146	E		0-140	30	4.2	—	—		694.00
1156DT	I	50/60	0-120	50	6.0	55	6.6	38 (17.2)	1022.00
1156DU†	J		0-140	50	7.0	—	—		888.00
1156D	G		0-140	50	7.0	—	—		934.00

†Motor version available

240V Single-Phase Input

Mfr.'s Type	FIG	Output						Approx. Shpg. Wt. Lbs(kg)	Each
		Hertz	Volts	Constant Current Load		Constant Impedance Load			
				Max. Amp.	Max. KVA	Max. Amp.	Max. KVA		
12C	B	50/60	0-240	0.7	0.17	0.9	0.22	3 (1.4)	93.00
22†	D	50/60	0-240	2.25	.54	3.25	.78	6 (2.7)	152.00
216CT	F	50/60	0-240	3.5	0.84	5	1.2	12 (5.4)	238.00
216CU†	K		0-280	3.5	0.98	—	—		190.00
3PN216C	C	50/60	0-240	3.5	0.84	5	1.2	12 (5.4)	259.00
217CT	F		0-240	3.5	0.84	5	1.2		244.00
217CU†	K		0-240	5	1.2	7	1.7		194.00
3PN217C	C		0-240	5	1.2	7	1.7		299.00
226T	F	50/60	0-240	7.5	1.8	10	2.4	18 (8.2)	345.00
226U†	K		0-280	7.5	2.1	—	—		269.00
226	E		0-280	7.5	2.1	—	—		304.00
236BT	F		0-240	10	2.4	13	3.1		482.00
236BU†	K	50/60	0-280	10	2.8	—	—	26 (11.8)	392.00
236B	E		0-280	10	2.8	—	—		423.00
246T	F		0-240	15	3.6	19	4.6		749.00
246U†	K		0-280	15	4.2	—	—		618.00
246	E	50/60	0-240	15	4.2	—	—	38 (17.2)	694.00
1256DT	I		0-240	28	6.7	28	6.7		1022.00
1256DU†	J		0-280	28	7.8	—	—		888.00
1256D	G		0-280	28	7.8	—	—		934.00
1296DT	I	50/60	0-240	35	8.4	39	9.4	82 (37.2)	1277.00
1296DU†	J		0-280	35	9.8	—	—		1112.00
1296D	G		0-280	35	9.8	—	—		1171.00

PBA Series POWERSTAT® Variable Transformer Enclosures

Designed to house open construction (U suffix) POWERSTAT® Variable transformers. Constructed of heavy gauge sheet metal. Completely assembled. A full range of knockouts and all required hardware is included.

NEMA Type 1



PBA10, PBA30 & PBA40 Series enclosures

Mfr.'s Type	Gangs in Assembly*	Fits Transformer Type	Weight Lbs(kg)	Each
PBA10-N01-1	1	21, 116CU, 117CU, 22, 216CU, 217CU	7 (3.2)	124.00
PBA30-N01-1	1	126U, 136BU, 226U, 236BU	9 (4.1)	177.00
PBA40-N01-1	1	146U, 246U	12 (5.4)	208.00
PBA50-N01-A	1	1156DU, 1256DU, 1296DU	100 (45.4)	1079.00

* Enclosures for 2 and 3 gangs also available. Call Carlton-Bates Company for details.

Power Protection Products

SW Series STABILINE® Uninterruptible Power Supplies



Network-ready SW Series units are line-interactive, sine-wave uninterruptible power supplies ideally suited for protecting LANs, file servers, PCs, workstations, medical, broadcasting and other sensitive electronic equipment. Features include "Hot Swap" battery replacement without powering down the connected load, network and modem protection to isolate network/phone wiring, precision power control for scheduled shutdowns and maximized run time for critical devices. UPS start-up can be accomplished without AC power when required. All incorporate an Advanced Battery Management system that assures reliability and improves performance by doubling battery service life, optimizing recharge time and providing advanced warning of pending battery failure. Unique "buck and double boost" voltage regulation ensures consistent pure sine wave output voltage to the critical load without using batteries. Available in models rated from 1000 to 3000 VA, all exceed worldwide specifications for safety, performance and excellence. North American models are UL 1778 Listed and CSA Certified. International models CE Certified.



Features:

Battery management doubles battery service life, optimizes recharge time and provides advanced warning of pending battery failure

Line interactive, sine wave uninterruptible power supplies

"Buck and Double Boost" Voltage Regulation ensures consistent pure sine wave output voltage to critical load without using batteries

Power Management software ensures data integrity

"Hot Swappable" Battery Replacement eliminates powering down connected load

Separate receptacle groups enable scheduled shutdowns and maximized run time for critical devices

Network and modem transient protection

Battery start up "ON" without AC power when required (cold start)

Cabinet and rack mount models

Full 2-year warranty

UL, CSA and CE Certified

Type	Power Out (VA/Watt)	Input Connection	Output Connections	Max. Output Current (Amp)	Battery Backup (Minutes)		Dimensions WxHxD (In)	Ship Weight (Lb/kg)	Price
					Full Load	Half Load			
Cabinet Models 120 VAC ¹, 60 Hz									
SW1000	1000/670	5-15P	(6) 5-15R ²	8.3	8	21	7.0 x 8.8 x 17.1	48/22	655.00
SW1500	1440/960	5-15P	(6) 5-15R ²	12.0	8	25	7.0 x 8.8 x 17.1	62/28	835.00
SW2000 ³	1920/1400	5-20P	(6) 5-15R & (2) 5-20R ⁴	16.0	8	24	7.0 x 8.8 x 17.1 ⁵	91/41	1,140.00
SW2400 ⁵	2400/1600	L5-30P	(6) 5-15R & (1) L5-30R ⁴	20.0	13	40	7.0 x 8.8 x 17.1 ⁵	110/50	1,395.00
SW3000 ⁵	2880/2250	L5-30P	(6) 5-15R & (1) L5-30R ⁴	24.0	7	23	7.0 x 8.8 x 17.1 ⁵	115/52	2,195.00

Cabinet Models 230 VAC ⁶, 50/60 Hz									
SW1000X	1000/670	IEC-320, 10 A	(6) IEC-320 ⁷	4.4	8	21	7.0 x 8.8 x 17.1	48/22	865.00
SW1500X	1500/960	IEC-320, 10 A	(6) IEC-320 ⁷	6.5	8	25	7.0 x 8.8 x 17.1	62/28	1,155.00
SW2000X ⁸	2000/1400	IEC-320, 10 A	(9) IEC-320 ⁷	8.7	8	24	7.0 x 8.8 x 17.1 ⁵	90/41	1,515.00
SW2400X ⁸	2300/1600	IEC-320, 10 A	(9) IEC-320 ⁷	10.0	13	40	7.0 x 8.8 x 17.1 ⁵	108/49	1,795.00
SW3000X ⁸	3000/2250	IEC-320, 16 A	(9) IEC-320 ⁷	13.0	7	23	7.0 x 8.8 x 17.1 ⁵	113/51	2,345.00

Battery Boxes (for 2000-3000 VA models only) ⁷									
SWBAT 48-10	48 VDC, 10 AHr cord w/connector						7.0 x 8.8 x 17.1	• ⁷	call
SWBAT 48-17	48 VDC, 17 AHr cord w/connector						7.0 x 8.8 x 17.1	• ⁷	call

Rack-mount Models 120 VAC ¹, 60 Hz									
SW1000R	1000/670	5-15P	(6) 5-15R ²	8.3	7	20	19.0 x 3.5 x 18.6 ⁸	65/29	795.00
SW1500R	1440/960	5-15P	(6) 5-15R ²	12.0	7	24	19.0 x 3.5 x 18.6 ⁸	65/29	1,045.00
SW2000R	1920/1400	5-20P	(6) 5-15R & (2) 5-20R ⁴	16.0	11	27	19.0 x 5.25 x 22.3 ⁸	142/64	1,645.00
SW3000R	2880/2250	L5-30P	(9) 5-15R & (1) L5-30R ⁴	24.0	11	30	19.0 x 5.25 x 22.3 ⁸	142/64	2,645.00

Rack-mount Models 230 VAC ⁶, 50/60 Hz									
SW1000XR	1000/670	IEC-320, 10 A	(6) IEC-320 ⁷	4.4	7	20	19.0 x 3.5 x 18.6 ⁸	65/29	945.00
SW1500XR	1500/960	IEC-320, 10 A	(6) IEC-320 ⁷	6.5	7	24	19.0 x 3.5 x 18.6 ⁸	65/29	1,355.00
SW2000XR	2000/1400	IEC-320, 10 A	(9) IEC-320 ⁷	8.7	11	27	19.0 x 5.25 x 22.3 ⁸	142/64	2,195.00
SW2400XR	2300/1600	IEC-320, 10 A	(9) IEC-320 ⁷	10.0	14	40	19.0 x 5.25 x 22.3 ⁸	142/64	2,395.00
SW3000XR	3000/2250	IEC-320, 16 A	(9) IEC-320 & (1) IEC-320 (16 A) ⁷	13.0	11	30	19.0 x 5.25 x 22.3 ⁸	142/64	2,665.00

1. User selectable for 100, 110, 120, or 127 VAC. With 100 or 110 V selected, 120 VAC units can operate at 50 Hz. 2. Divided into 2 load segments (receptacle groups). 3. Includes SW Battery Box SWBAT 48-10. 4. Divided into 3 load segments (receptacle groups). 5. Includes SW Battery Box SWBAT 48-17. 6. User selectable for 208, 220, 230, or 240 VAC. 7. Battery box and electronics ship together in one box. 8. 19-inch wide front panel with a 17.25-inch wide chassis. SW-MK15 (1000/1500 VA) and SW-MK23 (2000-3000 VA) mounting kits are sold separately.



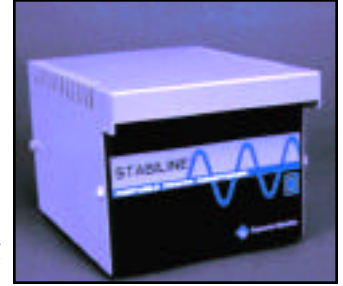
Power Protection Products

PPC Series STABILINE® Portable Power Conditioners

Full 5-Year Warranty



Designed to protect all types of loads including non-linear switch-mode power supplies, PPC Series units use **advanced ferroresonant technology** to block and attenuate 95% of voltage spikes and transients originating from either the input generating or the output consuming power source. They also provide continuous line voltage regulation to compensate for surges and brownouts. They protect against sags and noise by isolating electrical equipment from commercial power lines. Typically, PPC Series units correct common problems caused by poor power factor, line distortion and overheating of neutral line conductors. They produce a constant output voltage so delicate microprocessor circuitry receives the regulated sinewave power needed to run most efficiently. All PPC Series units are designed for quick installation and feature multiple grounded output receptacles for simple connection to whatever equipment requires protection. A convenient carrying lip integral with the cabinet cover makes it easy to transport the units from one location to another. Other features include line voltage regulation $\pm 5\%$ of nominal, 120 dB common-mode noise rejection, 60 dB transverse-mode noise attenuation and galvanic isolation. All 120 V, 60Hz models are UL 1012 listed and CSA certified.



Mfr.'s Type	AC Input (Single Phase)			Output (Nonlinear or 0.7 P.F. Load)				AC Output Receptacles NEMA 5-15R Qty.	Approximate Weight lbs(kg)		Price
	AC Voltage	Max. Amps	Hz	Nominal Voltage	Max Amps	Max. VA	Max. Watts		Net	Shipping	
								PPC61110	96-132	0.9	
PPC61210	96-132	1.6	60	120 $\pm 5\%$	1.7	210	150	4	18 (8.2)	21 (9.6)	195.00
PPC61420	96-132	3.2	60	120 $\pm 5\%$	3.5	420	300	4	25 (11.3)	28 (12.7)	245.00
PPC61650	96-132	4.7	60	120 $\pm 5\%$	5.4	650	450	6	28 (12.7)	32 (14.6)	315.00
PPC61850	96-132	6.3	60	120 $\pm 5\%$	7	850	600	6	33 (15)	37 (16.8)	365.00
PPC611100	96-132	8.4	60	120 $\pm 5\%$	9.1	1100	800	6	48 (21.8)	53 (24.1)	535.00
PPC611400	96-132	10.5	60	120 $\pm 5\%$	11.6	1400	1000	6	53 (24)	58 (26.4)	595.00
PPC611800	96-132	13.6	60	120 $\pm 5\%$	15	1800	1200	6	64 (29)	69 (31.4)	685.00

Note: All models are UL Listed and CSA Certified.

Mfr.'s Type	AC Input (Single Phase)			Output (Nonlinear or 0.7 P.F. Load)				AC Output Receptacles NEMA 5-15R Qty.	Approximate Weight lbs(kg)		Price
	AC Voltage	Max. Amps	Hz	Nominal Voltage	Max Amps	Max. VA	Max. Watts		Net	Shipping	
								PPCX52110	180-250	0.7	
PPCX52200	180-250	1.1	50	230 $\pm 5\%$	0.87	200	140	2	14 (6.4)	17 (7.7)	275.00
PPCX52400	180-250	2.1	50	230 $\pm 5\%$	1.74	400	280	2	20 (9.1)	23 (10.5)	325.00
PPCX52800	180-250	3.9	50	230 $\pm 5\%$	3.48	800	560	4	30 (13.6)	34 (15.5)	535.00
PPCX521200	180-250	5.7	50	230 $\pm 5\%$	5.22	1200	840	6	45 (20.4)	50 (22.7)	685.00
PPCX521600	180-250	7.5	50	230 $\pm 5\%$	6.96	1600	1120	6	54 (24.50)	59 (26.8)	795.00

Note: Input IEC320 cordset not supplied
User selectable nominal output voltage selection of 220-230-240 VAC. Units shipped wired for 230 VAC. IEC320 output receptacles are 10 Amp C14 Style.

Standby SPW Series STABILINE® Uninterruptible Power Supplies



SPW Series units are uninterruptible power supplies that provide cost effective protection to any electronic device by instantly switching to battery power when an AC power outage occurs. They are ideally suited for use with PCs, workstations, point-of-sale (POS) systems, network nodes, cash registers and similar equipment. They provide protection from power failures, sags and surges, sags, brownouts and common and transverse mode noise. All utilize economical synthesized sine wave (step wave) output technology and come complete with audible and visual alarms. Incorporate advanced battery management features to ensure prolonged battery life, speedy recharge time and advanced notification of impending battery service. Batteries are user replaceable. Start-on-battery feature allows UPS start-up even if utility power is not available. Also feature a DIP switch for adjusting line voltage transfer and hybrid bidirectional filter for surge and noise suppression. SPW Series units are also available on request in international 230 VAC, 50Hz. North American types are UL 1778 Listed and CSA Certified. International models CE Certified.

120 V, 50/60 Hz Models †

Full 2-Year Warranty Including batteries

Mfr.'s Type	AC Input (Single Phase)			Output			Internal Battery Backup (Min.)		Approximate Weight lbs(kg)	Price
	AC Voltage	Max. Amps	Hz	Max. Amps	Max. VA	Max. Watts	Full Load	Half Load		
							SPW300B	88-142	3.5	
SPW420B	88-142	4.8	50/60	3.5	420	252	5	15	11.5 (5.2)	170.00
SPW650B	88-142	7.4	50/60	5.4	650	400	5	15	16.5 (7.5)	280.00

† User selectable 110 V, 120 V and 127 V nominal output.

230 V, 50/60 Hz Models #

SPW300BX	166-260	1.9	50/60	1.3	300	180	9	20	11.5 (5.2)	130.00
SPW420BX	166-260	2.5	50/60	1.8	420	252	5	15	11.5 (5.2)	170.00
SPW650BX	166-260	3.9	50/60	2.8	650	400	5	15	16.5 (7.5)	280.00

User selectable 220 V, 230 V and 240 V nominal output.