

SPW and SEM Series

All SEM and SPW Series units 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, blackouts, 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. Start-on-battery feature allows UPS start-up even if utility power is not available. North American 120 VAC types are UL and CUL listed. International 230 VAC types are CE approved.

SPW Series - Standby, Step Wave Output

Units also feature a DIP switch for adjusting line voltage transfer and hybrid bi-directional filter for surge and noise suppression.



Mfr.'s Type	AC Input (Single Phase)			Output			Internal Battery Backup (min.)		Approximate Weight lbs(kg)	Each
	AC Voltage	Max. Amps	Hz	Max. Amps	Max. VA	Max Watts	Full Load	Half Load	Net	
SPW300B	88-142	3.5	50/60	2.5	300	180	9	20	11.5 (5.2)	130.00
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
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

SEM Series - Standby, Line Interactive, Step Wave Output

New step wave Line Interactive technology via a microprocessor controlled buck & boost regulation array.



Mfr.'s Type	AC Input (Single Phase)			Output			Internal Battery Backup (min.)		Approximate Weight lbs(kg)	Each
	AC Voltage	Max. Amps	Hz	Max. Amps	Max. VA	Max Watts	Full Load	Half Load	Net	
SEM300	96-136	3.6	50/60	1.5	300	180	5	21	12.1 (5.5)	99.00
SEM500	96-136	6.0	50/60	2.5	500	300	2	7.5	13.2 (6.0)	125.00
SEM300X	184-264	2.2	50/60	.8	300	180	5	21	12.1 (5.5)	99.00
SEM500X	184-264	3.1	50/60	1.3	500	300	2	7.5	13.2 (6.0)	125.00

SLI Series - Standby, Line Interactive, Sine Wave Output



Units provide advanced power management for 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. All models are 50/60 automatic frequency selection. North American 120 VAC models are 110V, 120V and 127V user-selectable for input/output. North American 120 VAC models are UL and CUL listed. International 230 VAC models are 220V, 230V and 240V user-selectable for input/output. International 230 VAC models are CE approved.

Mfr.'s Type	AC Input (Single Phase)			Output			Internal Battery Backup (min.)		Approximate Weight lbs(kg)	Each
	AC Voltage	Max. Amps	Hz	Max. Amps	Max. VA	Max Watts	Full Load	Half Load	Net	
Cabinet Models 120 VAC, 50/60 Hz										
SLI1000	77-152		50/60	8.3	1000	700	5	14	34 (16)	495.00
SLI1500	77-152		50/60	12	1440	1050	6	17	51 (23)	610.00
SLI2200	77-152		50/60	16	1920	1600	5	14	68 (31)	895.00
Rack Mount Models 120 VAC, 50/60 Hz										
SLI1000R	77-152		50/60	8.3	1000	900	7	19	61 (28)	655.00
SLI1500R	77-152		50/60	12	1440	1340	5	13	61 (28)	695.00
SLI2400R	77-152		50/60	20	2400	2250	7	19	89 (40)	1,195.00
SLI3000R	77-152		50/60	24	2880	2700	5	15	89 (40)	1,315.00
Cabinet Models 230 VAC, 50/60 Hz										
SLI1000X	154-288		50/60	4.4	1000	700	5	14	34 (16)	495.00
SLI1500X	154-288		50/60	6.5	1500	1050	6	17	51 (23)	655.00
SLI2200X	154-288		50/60	9.6	2200	1600	5	14	68 (31)	895.00
Rack Mount Models 230 VAC, 50/60 Hz										
SLI1000XR	154-288		50/60	4.4	1000	900	7	19	61 (28)	655.00
SLI1500XR	154-288		50/60	6.5	1500	1340	5	13	61 (28)	695.00
SLI2400XR	154-288		50/60	10.4	2400	2250	7	19	89 (40)	1,195.00
SLI3000XR	154-288		50/60	13	3000	2700	5	15	89 (40)	1,315.00

SEG Series - True On-Line, Sine Wave Output



True Regenerative On-Line technology provides the highest level of protection against a broader spectrum of power problems. This is accomplished through converting the incoming AC utility voltage to a regulated DC voltage. From this DC voltage, a new AC voltage is regenerated by the UPS, providing a clean sine wave and tightly regulated source to connected equipment. Offered in 120 and 230 VAC, Cabinet and 19-Inch Rack Mount, from 1kVA to 6kVA ratings. North American types are UL and CUL listed. International models are CE approved. Contact Carlton-Bates for information on models above 3kVA.

Mfr.'s Type	AC Input (Single Phase)			Output		Internal Battery Backup (min.)		Approximate Weight lbs(kg)	Each
	AC Voltage	Max. Amps	Hz	Max. VA	Max. Watts	Full Load	Half Load	Net	
Cabinet Models 120 VAC, 50/60 Hz									
SEG1000	87-140	7.3	50/60	1000	700	6	19	33 (15)	795.00
SEG1500	87-140	11	50/60	1500	1050	11	30	68 (31)	1,395.00
SEG2000	87-140	14	50/60	2000	1400	7	5	68 (31)	1,795.00
SEG3000	87-140	21	50/60	3000	2100	6	15	68 (31)	2,695.00
Rack Mount Models 120 VAC, 50/60 Hz									
SEG1000R	87-140	7	50/60	1000	700	7	20	37 (17)	1,095.00
SEG2000R	87-140	14	50/60	2000	1400	7	17	107 (49)	1,995.00
SEG3000R	87-140	21	50/60	3000	2100	6	17	120 (54)	2,995.00
Cabinet Models 230 VAC, 50/60 Hz									
SEG1000X	170-255	4	50/60	1000	700	6	18	33 (15)	795.00
SEG1500X	170-255	5.9	50/60	1500	1050	11	30	68 (31)	1,395.00
SEG2000X	170-255	7.6	50/60	2000	1400	7	5	68 (31)	1,795.00
SEG3000X	170-255	11.6	50/60	3000	2100	6	15	68 (31)	2,695.00
Rack Mount Models 230 VAC, 50/60 Hz									
SEG1000XR	170-255	3.8	50/60	1000	700	7	20	37 (17)	1,095.00
SEG2000XR	170-255	7.6	50/60	2000	1400	7	17	107 (49)	1,995.00
SEG3000XR	170-255	11.6	50/60	3000	2100	6	17	120 (54)	2,995.00