

THE NEXT GENERATION IN ON-LINE UPS GAMATRONIC POWER+

The Gamatronic Power+ SA UPS system employs a compact, lightweight form factor that conserves precious floor space. Its simple, reliable design offers a cost-effective solution to protect critical electronic equipment. The Power+ SA operates at super-high 94% efficiency, which means less heat and lower cooling costs, too. The Power+ can be field connected as a three-phase or single phase UPS.



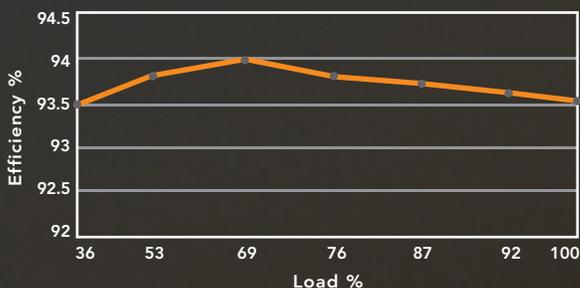
POWER+ SA SERIES

SINGLE-PHASE 7.5kVA / 6kW UPS

THREE-PHASE 10kVA / 8kW UPS

- Double-conversion power provides completely clean, consistent AC output to the data center power bus.
- Highest AC – AC efficiency rating of 94% results in lower energy costs and reduced heat.
- True online battery is galvanically connected to the rectifier and inverter on a common DC link for increased reliability.
- Compact, lightweight UPS is just 3.5" wide and weighs only 46 lbs.
- Field configurable for 120/208 VAC single-phase, 120/240 VAC single-phase, or 120/208 VAC three-phase operation.
- Wide input voltage window ensures output power remains continuous regardless of input fluctuations without using battery.
- LCD Display and indicator LEDs provide easy system setup and at-a-glance system status.
- Static switch ensures fast, safe transfer to bypass.
- Separate bypass input with removal of jumpers.
- Power+ SA Series UPS is available with optional rear-mounted maintenance bypass switch. UPS can be disconnected from rear-mounted switch without affecting your critical loads.
- Battery cabinets, available with one or two strings of batteries, can be paralleled to provide full load runtimes up to 277 minutes single-phase or 191 minutes three-phase.

Power+ AC to AC Efficiency



POWER+ SA SPECIFICATIONS

SA Application	Single-Phase	Three-Phase
Capacity (kVA / kW)	7.5kVA / 6kW	10kVA / 8kW
Topology	On-line Double Conversion UPS	
Input		
Voltage	120 / 208 or 120 / 240 L1, L2, N, G	3 x 208V L1, L2, L3, N, G
Voltage Range	-25% to +15% @ 80% load, ± 15% @ 100% load	
Current	28 Amps Max per phase, No inrush current at Startup	
Frequency (Hz)	45 - 65 Hz	
Power Walk In	> 60 seconds	
Current Distortion (THDI)	< 5% at full load	
Input Power Factor	0.99	
Output		
Voltage	120 / 208V or 120 / 240V L1, L2, N	3 x 120 / 208V L1, L2, L3, N
Current	31 Amps	27.8 Amps per Phase
Frequency Tracking Range	60Hz +/- 3Hz	
Static Regulation	+/-1%	
Regulation - Unbalanced Load	+/-1% for 100% Unbalanced load	
Dynamic Response	+/-2% (100% Step Load)	
Overload	110% for 10 min; 125% for 60 sec; 1000% for 1 cycle	
THD	Less than 2% for linear load	
Load Crest Factor (Max)	4:1	
Efficiency (Nominal)	AC/AC 94% on-line, DC/AC 97%	
Static Switch		
Type	Hybrid Static Switch with Auto Wrap-around Contactor	
Input Connection	Single or Dual Feed	
UPS General		
Ambient Temperature	14°F to 104°F (operating), -4 to 140°F (storage)	
Relative Humidity (%)	Max 95% non-condensing	
Acoustic Noise	51 dB (Full Load @ 1.5M)	
Maximum Heat Dissipation	1310 Btu / hr	1740 Btu / hr
UPS Weight (lbs)	49 lbs without batteries (62 lbs shipping weight)	
UPS Dimensions (HxWxD)	22" x 3.5" x 23.6" (width without anti-tip base)	
Communication		
Display	Menu-Driven LCD Display, Status LEDs	
Communications	AC Fail, Battery Low, and Alarm Contacts Standard, SNMP Optional	
Standards		
EMC Emission and Safety	IEC62040-2; FCC part 15-B, UL 1778; IEC62040-1-1	
DC/Charger		
DC Link Voltage Nominal	384V (+192, -192)	
Charging Current at Full Load	4.5 Amps at full load	
Matching Battery Cabinet		
Battery Cabinet Dimensions	22.7"H x 9.8"W x 32.7"D	
Battery Cabinet Weight	Half Cabinet 263 lbs (w / 1 x 32 x 9AH), Full Cabinet 455 lbs (w / 2 x 32 x 9AH)	
Batteries per string	32 x 12V x 9 AH	

Runtime in Minutes (Typical)		Number of Battery Strings										
VA Load	W Load	1	2	3	4	5	6	7	8	9	10	
1000	800	191	469	792	1150	Call for Runtime						
2000	1600	78	191	323	469	626	792	967	1150	1340		
3750	3000	34	85	143	208	277	351	429	510	594	680	
4000	3200	32	78	132	191	255	323	394	469	546	626	
5000	4000	24	58	99	143	191	242	295	351	409	469	
6000	4800	19	46	78	113	151	191	233	277	323	370	
7000	5600	15	38	64	93	124	156	191	227	264	303	
7500	6000	14	34	58	85	113	143	175	208	242	277	
8000	6400	13	32	54	78	104	132	161	191	222	255	
9000	7200	11	27	46	67	89	113	138	164	191	219	
10000	8000	10	24	40	58	78	99	120	143	167	191	



230 Yuma Street
 Denver, CO 80223
 800-576-3966
 www.maxpowercorp.com



The Power+ is made in Israel by Gamatronic, a leading innovator in power electronics since 1970. Gamatronic products are distributed worldwide, are UL-approved and ISO9001 compliant.