

THE NEXT GENERATION IN MODULAR UPS

GAMATRONIC POWER+



The Gamatronic Power+ three-phase UPS system employs a single-unit form factor that conserves precious data center floor space and its lightweight, user-friendly, 10kVA modules provide simple, reliable low-cost expansion to meet your growing power needs. Because the Power+ is modular and scalable, you conserve capital by only investing in capacity when you need it. The Power+ operates at super-high 94% efficiency, which means less heat and lower cooling costs too.

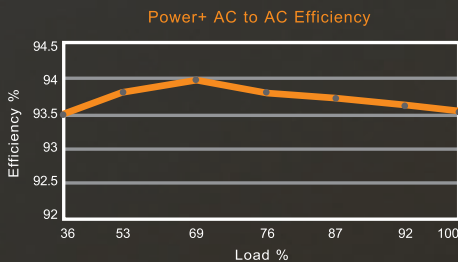
POWER+ M50 SERIES

THREE-PHASE 10kVA–50kVA UPS

SINGLE-PHASE 7.5kVA–37.5kVA UPS

Modular · Scalable · Hot-Plug, Hot-Swap · N+1 Redundancy · Affordable

- Double-conversion power provides completely clean, consistent AC output to the data center power bus.
- True online battery is galvanically connected to the rectifier and inverter on a common DC link for increased reliability.
- Hot-plug, hot-swap system enables power modules and controller to be added or swapped without interruption of output power and without transferring to bypass.
- Scalability from 10kVA to 50kVA enables UPS to grow in 10kVA steps with your expanding power protection needs.
- Allows cost-effective N+1 or N+2 redundancy, ensuring that the load will continue to be supported even if a module fails.
- Hybrid static switch ensures fastest, safest transfer to backup with long-term reliability.
- Compact, lightweight power modules are only 2U and 22 lbs each.
- Highest AC to AC efficiency rating of 94% results in lower energy costs and reduced heat, even at lighter loads.
- System controller provides advanced management and control functions including Internet, TCP/IP, and SNMP communications standard. UPS operation is independent of controller function.
- External battery cabinets and maintenance bypass switches available.
- Can be field-configured for single-phase operation.



POWER+ M50 SPECIFICATIONS					
Model M50	10kVA	20kVA	30kVA	40kVA	50kVA
Capacity – Three-Phase (kVA / kW)	10/8	20/16	30/24	40/32	50/40
Capacity—Single-Phase (kVA/kW)	7.5/6	15/12	22.5/18	30/24	37.5/30
Topology	On-line Double Conversion Modular Redundant with Hybrid Central Static Switch				
Input					
Voltage	3 x 208V Three-Phase, L1, L2, L3, N 120/208 or 120/240 Single-Phase, L1, L2, N				
Voltage Range	-25% to +15% of nominal				
Current	29.6 Amps per 10kVA Module - No inrush current at Startup				
Frequency (Hz)	47 - 63				
Power Walk In	> 60 seconds				
Current Distortion (THDI)	<5% at full load				
Input Power Factor	0.99				
Output					
Voltage	3 x 120 / 208V Three-Phase, L1, L2, L3, N 120/208 or 120/240 Single-Phase, L1, L2, N				
Current	27.8 Amps Per 10kVA Module				
Frequency Tracking Range	60Hz +/-2Hz				
Static Regulation	+/-1%				
Regulation for Unbalanced Load	+/-1% for 100% Unbalanced load				
Dynamic Response to 100% Step Load	+/-2%				
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				
Control Connections	EPO Connection (powered N.C.) and Load on Bypass (dry contacts N.O.)				
UPS General					
Ambient Temperature	14°F to 104°F (operating), -4 to 140°F (storage)				
10kVA/8kW Module Weight (lbs.)	22				
UPS Dimensions (HxWxD)	42.1" x 23.6" x 27.2"				
UPS System Weight (lbs)	271	293	315	337	359
UPS Shipping Weight	Add 150 lbs for pallet and crating				
Acoustic Noise (Full Load) @ 1.5M (dB)	51	54	55	57	58
Maximum Heat Dissipation	1740 btu/hr per 10kVA power module at full load				
Power+ Controller					
User Interface	Menu Driven LCD				
Input Channels	4 Digital, 8 Analog				
Output Contacts	4 Programmable Dry Contacts				
System Operation without Controller	Continuous without disruption				
Log (events memory)	255 Events				
Communications	SNMP / Web Interface, TCP/IP Standard				
Standards					
EMC Emission	IEC62040-2; FCC part 15/8				
Safety	UL 1778; IEC62040-1-1				
Battery/Charger					
DC Link Voltage	384V (+192, -192)				
Max Charging Current at full load	4.5	9	13.5	18	22.5

Specifications subject to change without notice.



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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.