

Power + *Premium*

Power+
Premium



GAMATRONIC™

Our Power Your Confidence

Power + *Premium*

Gamatronic is proud to introduce The Power+ Premium, an innovative upgraded modular system with a slick modern design. Technical improvements provide the customer with greater power, and control over that power via an enhanced user interface.

Same footprint with an effective increase of 25% in power output.

10kVA/kW POWER MODULE

- Module output increased by 25% to 10kW
- Faster communication between the power modules and the controller
- Increased stability of current sharing between modules
- Lower internal dc working voltages

ADVANCED STATIC SWITCH

- Faster recognition and reaction to power surges and spikes
- Improved communication between the static switch and the controller
- Faster transfer time between inverter and bypass modes
- Additional Circuit redundancy
- New latch mechanism on the power feed source ensures system stability in the rare event of a static switch fault

STATE OF THE ART CONTROLLER

- 7" color touch screen
- Fast and intuitive navigation to data display and configuration screens
- Faster continuous monitoring by the controller of all the UPS components
- Larger system log with added details and information
- System log can be exported through Ethernet or USB connections
- Control of on/off state of each module
- Sophisticated battery test
- Continuous dynamic estimation of remaining backup time in battery mode
- User interface with 7 languages and optional others
- Timed automatic shutdown of computer servers in battery mode
- Email notification to predefined lists
- System software can be updated with no physical intervention



POWER+ PREMIUM TECHNICAL SPECIFICATIONS

Topology		On line Battery, Double Conversion, VFI									
Construction		Modular parallel hot-plugged modules									
Operation		Continuous									
INPUT											
Nominal Voltage		3×400 Vac+ N (3x230 Vac, N = Neutral)									
Voltage range		-22 % and +15 %									
Nominal current		3 × 15 A per module – no inrush current at startup									
Frequency		47 Hz – 63 Hz									
Power walk-in		>60 sec.									
Power Factor		0.99									
THDI		5 %									
OUTPUT											
Rated Power		10 kVA / 10 kW to 100 kVA / 100 kW									
Voltage		3x400 Vac + N									
Frequency (in free-running mode)		50/60 Hz ±0.1 %									
Frequency tracking range		±0.5 Hz, ±1 Hz, ±2 Hz, ±3 Hz, +4 Hz (selectable)									
Slew rate		1 Hz/sec.									
Static Regulation		±1 %									
Regulation for unbalanced load		±1 % for 100 % unbalanced load									
Overload withstand	Inverter mode	110 % : 10 minutes, 125 % : 60 seconds, 1000 % : 1 cycle									
	Bypass mode	125 % : 10 minutes									
Waveform		Sinusoidal									
THD		Less than 2 % for linear load									
Load CF (max)		6:1									
Ac-Ac efficiency (nominal)		Up to 96 % at full load									
Dc-Ac efficiency (nominal)		Up to 98 % at full load									
BATTERIES											
Dc-Link Voltage		±320 to ±405 Vdc									
Quantity and type		60 × 12 Vdc, sealed, lead acid, rechargeable									
GENERAL											
Maximum power dissipation (Po=10 kW)		N*416 W (N*1420 BTU), where N = # modules									
Fuse clearance capability		Input, output, dc link									
Ambient temperature		-10 to +40 °C (operating), -20 to +60 °C (storage)									
Relative humidity		95 % maximum, non-condensing									
Altitude		1500 m without derating									
Enclosure		IP20									
Cooling system		Forced air: multi-fan with speed control									
STANDARDS											
Safety		IEC 62040-1									
IEC 62040-1		IEC 62040-2									
Design		IEC 62040-3									
Low magnetic field radiation		EMF as per ICNIRP									
DIMENSIONS											
Weight of single power module		9.8 kg									
UPS type		10 kVA	20 kVA	30 kVA	40 kVA	50 kVA	60 kVA	70 kVA	80 kVA	90 kVA	100 kVA
Height (cm)		71	80	90	99	108	118	127	136	146	155
Width (cm)		59.8									
Depth (cm)		67.3									
Weight (kg)		98	113	128	143	158	173	188	203	218	233
ACOUSTIC NOISE											
Noise (dBA) with half load		48	52	53	54	55	55.8	56.4	57	57.5	58
Noise (dBA) with full load		51	54	55	57	58	58.8	59.4	60	60.5	61

* All specifications are subject to change without notice.

The background of the page is a black and white photograph of a server rack. The rack has multiple horizontal slots, some of which contain server units. Labels like "CONTROLLER", "ALARM", and "Power+ Premium" are visible on the units. There are also some indicator lights and buttons. Two large orange rectangular boxes are overlaid on the image: one on the left side containing contact information, and one on the right side which is empty.

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