

# Power+ *Premium*60

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# Power+ Premium 60



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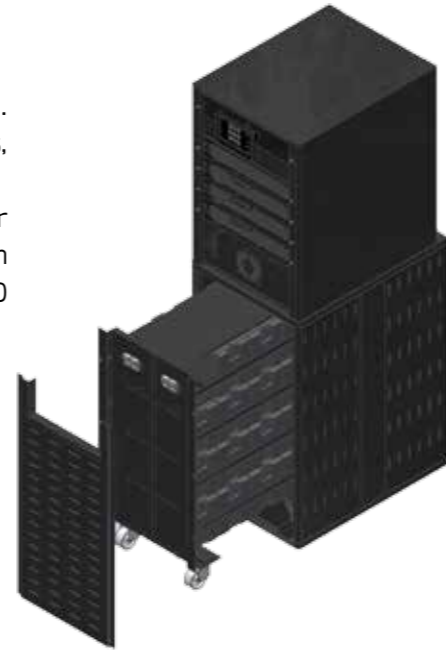


**Power+ Premium 60 has the same footprint of the Power+ Premium with an effective increase of 50 % in power output.**

Gamatronic is proud to introduce the renewed Power+ Premium 60, an innovative upgraded modular system, with an attractive modern design. High end technology provides the customer with greater power and higher efficiency via an enhanced modular system.

Power+ Premium 60 is a modular 15–60 kVA UPS system with a proven design. Easily upgradable on-site through addition of plug-and-play 15 kVA modules, Power+ Premium 60 is a parallel redundant UPS.

The system is comprised of 1 to 4 modules of 15 kVA each, a system controller and a static switch module. Power+ Premium 60 offers the optimal combination of efficiency, economy, and usability – and boasts the industry lowest TCO (Total Cost of Ownership) and fastest ROI (Return on Investment).



## 15kVA/kW POWER MODULE

- Module output increased by 50 % to 15 kW
- Faster communication between the power modules and the controller
- Increased stability of current sharing between modules
- Lower internal dc working voltages

## ADVANCED STATIC SWITCH

- Fast recognition of and reaction to power surges and spikes
- Improved communication between the static switch and the controller
- Fast transfer time between inverter and bypass modes
- Additional circuit redundancy

## 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

## OPTIONAL FEATURES

- Fits into 19" cabinet
- UPS with batteries can be fitted together as a tower for smaller footprint

## THE POWER PLUS PREMIUM 60 – TECHNICAL SPECIFICATIONS

PRESTIGE MODEL	15 kW	30 kW	45 kW	60 kW
<b>ARCHITECTURE</b>				
Topology	True online battery, double conversion, VFI			
Construction	Modular parallel hot-plugged modules			
Operation	Continuous			
<b>INPUT</b>				
Nominal voltage	3×400 Vac+ Neutral			
Voltage range	-22 % and +15 %			
Maximum current	3×27 A per module – no inrush current at startup			
Frequency	47 Hz – 63 Hz			
Power walk-in	>60 sec.			
Power factor	0.99			
THDI	<5 %			
<b>OUTPUT</b>				
Rated power (kVA/kW)	15/15	30/30	45/45	60/60
Voltage	3×400 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			
Dynamic response to 100 % load step	±2 %			
Overload withstand	Inverter mode	110 % : 10 minutes, 125 % : 60 seconds		
	Bypass mode	125 % : 10 minutes, 1000 % : 1 cycle		
Waveform	Sinusoidal			
THD	Less than 3 % for linear load			
Load CF (max)	6:1			
Ac-Ac efficiency (nominal)	Up to 96 %			
Dc-Ac efficiency (nominal)	Up to 98 %			
<b>BATTERIES</b>				
Dc-Link Voltage	±320 to ±405 Vdc			
Quantity and type	60 × 12 Vdc, sealed, lead acid, rechargeable			
<b>GENERAL</b>				
Maximum power dissipation (Po=15 kW)	625 W = 2133 BTU/hr	1250 W = 4266 BTU/hr	1875 W = 6399 BTU/hr	2500 W = 8532 BTU/hr
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			
<b>STANDARDS</b>				
Safety	IEC 62040-1			
EMC	IEC 62040-2			
Design	IEC 62040-3			
Low magnetic field radiation	EMF as per ICNIRP			
<b>DIMENSIONS</b>				
Weight of single power module	10.5 kg			
Linear measurements (mm)	800 (H, with wheels) x 487 (W) x 700 (D)			
Weight (kg)	68.5	79	89.5	100

\* All specifications are subject to change without notice.