

GAMATRONIC ELECTRONIC INDUSTRIES LTD.

Headquarters and Factory

17 Hartom St. POB 45029, Jerusalem 91450, Israel
Tel: +972-2-5888222 Fax: +972-2-5828875
e-mail: info@gamatronic.co.il

Gamatronic UK Ltd.

15 Chester Road, Colmworth Business Park, Eaton Socon,
Cambridgeshire, PE19 8YT, United Kingdom Tel: +44
(0)1480 479889/ 472665 Fax: +44(0)1480 407865
info@gamatronic.net

www.gamatronic.com

Power Plus SA Premium

POWER+ SA PREMIUM

Power Plus SA Premium Stand-Alone model, 15 kVA / 15 kW On-line double conversion UPS True on-line batteries



FEATURES

- Lightweight and compact design
- Excellent Performance:
 - High ac/ac efficiency: 96%
 - Low input THDI: <5%
 - Input PF = 1
 - Output PF = 1
- Backlit LCD

GENERAL PRODUCT FEATURES:

- Ultra-high power density
- True green power and high efficiency
- User friendly
- Maximum power availability
- True online batteries and double conversion VFI topology
- Power with environmental integrity
- Full remote management and monitoring of the UPS
- Automatic server shutdown
- Fault alerts (alarms)
- SNMP trap management with NMS interface

POWER+ PREMIUM SA 15 KW TECHNICAL SPECIFICATIONS

ARCHITECTURE		
Topology	True on-line battery, double conversion, VFI	
Operation	Continuous	
INPUT		
Voltage	3x400 Vac+N	
Voltage range	-22 % and +15 %	
Maximum current	3x27 A, no inrush current at startup	
Frequency	47 – 63 Hz	
Power walk-in	>60 sec	
Power factor	0.99	
THDI	<5 %	
OUTPUT		
Voltage	3x400 Vac +N	
Rated power	15 kVA / 15 kW	
Frequency tracking range	±0.5, ±1, ±2, ±3, ±4 (selectable)	
Frequency (free-tracking mode)	50/60 Hz ±0.1 %	
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	<3 % (for linear load)	
Load CF (max)	6:1	
Ac-Ac efficiency	Up to 96 %	
Dc-Ac efficiency	Up to 98 %	
STATIC SWITCH		
Input connection	Dual input	
GENERAL		
Maximum power dissipation (Po=15 kW)	625 W (2133 BTU/hr)	
Ambient temperature (°C)	-10 to +40 (operating) -20 to +60 (storage)	
Relative humidity	95 % max., non-condensing	
Altitude	1500 m without derating	
Enclosure	IP20	
Cooling system	Multi-fan with speed control (forced)	
MTBF (hrs)	250,000	
Dimensions (mm)	560 (H) x 90 (W) x 600 (D)	
Weight	18.5 kg	
LCD DISPLAY		
Input	Voltage, frequency, current	
Output	Voltage, frequency, current	
Batteries	Voltage	
Log (events memory)	Last 200 events	
COMMUNICATION		
RS232	Yes	
Alarm and shutdown monitor	Yes	
SNMP link	Option (Gmaci)	
Weight	18.5 kg	
STANDARDS		
EMC	IEC 62040-2, under EMC 2004/108/EC	
Design	IEC 62040-3	
Safety	IEC 62040-1, under LVD 2006/95/EC	
Low magnetic field radiation	EMF as per ICNIRP	
BATTERIES (EXTERNAL)		
Type	Sealed, valve-regulated, lead-acid	
Number, voltage, ampere/hours	60 x 12 V, 9 Ah	
Backup time	20 min at 50% load, 6 min at full load	
Recharge time	Appx. 1-2 hr	
BATTERY CABINET		
Dimensions (mm)	450 (H) x 260 (W) x 600 (D)	
Weight	115 kg	

* All specifications are subject to change without notice.