

# POWER+ SA

10kVA Stand Alone  
On-Line  
Double Conversion UPS  
True on-line batteries



## Features

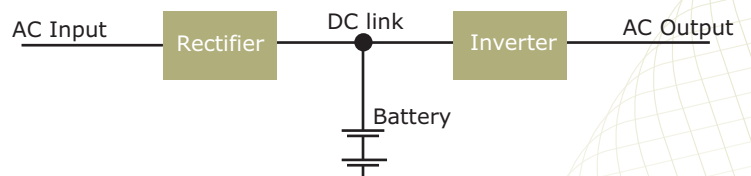
- > Flexible use - available in 3/3, 3/1 and 1/1
- > Unique light and compact design - only 18Kg electronic cabinet!
- > Great performance:
  - High efficiency AC/AC: 96%
  - Low input THDi: 4%
  - Input PF 1
  - Back light LCD

Battery Cabinet



## Double Conversion True On-Line Battery (VFI)

According to IEC 62040-3



Our Power, Your Confidence

# POWER+ SA Specifications

POWER+ SA UPS		3x400V+N
Topology	True Online Battery, Double Conversion	
Model	10kVA	
<b>INPUT</b>		1 or 3 phase+N
Voltage	3X400V+N	
Voltage Range	-27% ÷ +20%	
Power Walk-In	>60 sec	
Input Power Factor	0.99	
Input THDI	4%	
Earth Leakage Current	3mA max	
<b>OUTPUT</b>		1 or 3 phase+N
Rated Power	10kVA/8kW	
Frequency Tracking Range	±3Hz	
Slew Rate	1 Hz/sec	
Voltage	3X400V+N; 50Hz	
Static Regulation	±1%	
Regulation for Unbalanced Load	1% for 100% Unbalanced load	
Dynamic Response to 100% Load Step	±2%	
Overload	110% for 10 min.; 125% for 60 sec.; 1000% for 1 cycle	
Waveform	Sinusoidal	
THD	Less than 2% for linear load	
Load CF (max)	6:1	
DC/AC Efficiency (nominal)	98%	
AC/AC Efficiency (nominal)	96%	
<b>STATIC SWITCH (bypass)</b>		
Input Connection	Dual Input	
<b>GENERAL</b>		
Maximum Power Dissipation (Po=8KW)	333W (1136 BTU)	
Ambient Temperature	-10 <sup>o</sup> to +40 <sup>o</sup> (operating); -20 <sup>o</sup> to +60 <sup>o</sup> (storage)	
Relative Humidity	95% max non-condensation	
Enclosure	IP20	
Cooling System	Multi-Fan with speed control (forced)	
Acoustic Noise (Full load) @1.5m distance	47dBA	
MTBF	250,000 hrs	
Dimensions (H x W x D) (cm)	54 x 9 x 60	
Weight (electronic cabinet)	18Kg	
<b>COMMUNICATION</b>		
RS232	yes	
Alarm - Shutdown Monitor	yes	
SNMP - GMaCi	option	
<b>LCD DATA</b>		
Input	Voltage, Frequency, Current	
Output	Voltage, Frequency, Current	
Batteries	Voltage	
Log (events memory)	Last 200 Events	
<b>STANDARDS</b>		
EMC Emission	EN50091-2 Class A ; IEC 62040-2	
EMC Immunity	EN50082-2	
Safety	E50091-1 ; IEC 62040-1-1	
Design	EN50091-3 ; IEC 62040-3	
Low Magnetic Field Radiation	EMF as per ICNIRP	
<b>BATTERIES (external)</b>		
Batteries Type	Valve Regulated Lead-Acid (VRLA)	
	64x5Ah	
Backup Time	7 min. at 100% load; 24 min. at 50% load	
Battery Recharge Time	Approx. 1-2 hrs.	
<b>Battery Cabinet</b>		
Dimensions (H x W x D) (cm)	45 x 26x 60	
Weight	115Kg	

\* All specifications are typical and subject to change without prior notice

**GAMATRONIC ELECTRONIC INDUSTRIES LTD.**  
**Headquarters and Factory** 14 Hartom St. POB 45029, Jerusalem 97774, Israel Tel: +972-2-5888222 Fax: +972-2-5828875 e-mail: info@gamatronic.co.il www.gamatronic.com  
**Tel-Aviv Sales Office** 34 Habarzel St. Ramat Hachayal, Tel Aviv Tel: +972-3-6499940 Fax: +972-3-6449791  
**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

July 2008