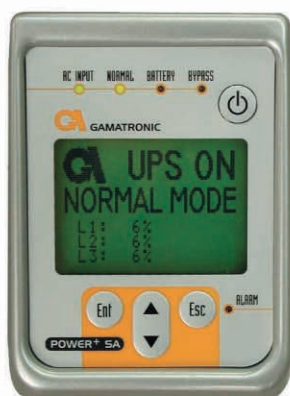


UPS

POWER+ SA

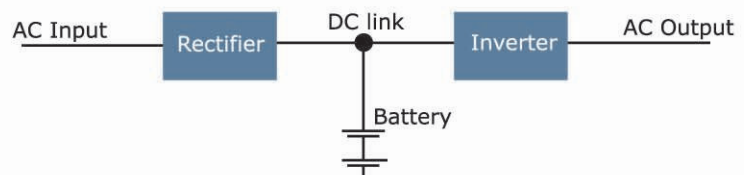
10KVA Stand Alone
On-Line Double Conversion UPS
True on line batteries

- ▶ Flexible use - available in 3/3, 2/2
- ▶ 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



Double Conversion True On-Line Battery (VFI)

According to IEC 62040-3



Technical Specifications

POWER+ SA UPS	3x208V+N	2x120V+N
Topology	True Online Battery, Double Conversion	
Model	10kVA	
INPUT	3 phase+N	2 phase+N
Voltage	3X208V+N	2x120V+N
Voltage Range	-27% ÷ +20%	
Current	28A max. per phase, no inrush current at startup	
Frequency	47÷63Hz	
Power Walk-In	>60 sec	
Input Power Factor	0.99	
Input THDI	5%	
OUTPUT	3 phase+N	2 phase+N
Rated Power	10kVA/8kW	7.5kVA/6kW
Frequency Tracking Range	60Hz ±1, ±2, ±3Hz (selectable)	
Slew Rate	1 Hz/sec	
Voltage	3X208V+N	2x120V+N
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)	96%	
AC/AC Efficiency (nominal)	94%	
STATIC SWITCH (bypass)		
Input Connection	Dual Input	
GENERAL		
Maximum Power Dissipation	510W (1740 BTU)	384W (1310 BTU)
Ambient Temperature	-10 to +40 °c (operating); -20 to +60 °c (storage)	
Relative Humidity	95% max non-condensation	
Enclosure	IP20	
Cooling System	Multi-Fan with speed control (forced)	
Acoustic Noise (Full load) @1.5m distance	51dBA	
MTBF	250,000 hrs	
Dimensions (H x W x D)	54 x 9 x 60cm	
Weight (electronic cabinet)	18Kg	
COMMUNICATION		
RS232	yes	
Alarm - Shutdown Monitor	yes	
SNMP - GMaCi	option	
LCD DATA		
Input	Voltage, Frequency, Current	
Output	Voltage, Frequency, Current	
Batteries	Voltage	
Log (events memory)	Last 200 Events	
STANDARDS		
EMC Emission	IEC 62040-2; FCC part 15/B	
Safety	UL 1778; IEC62040-1-1	
Design	IEC 62040-3	
Low Magnetic Field Radiation	EMF as per ICNIRP	
BATTERIES (external)		
Batteries Type	Valve Regulated Lead-Acid (VRLA)	
	32x7Ah/12V	
Backup Time	6 min. at 50% load	
Battery Recharge Time	Approx. 1-2 hrs.	
Battery Cabinet		
Dimensions (H x W x D)	45 x 26x 60cm	
Weight	90Kg	

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

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Ver. 001

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