

POWER+ SA

30kVA & 40kVA modules

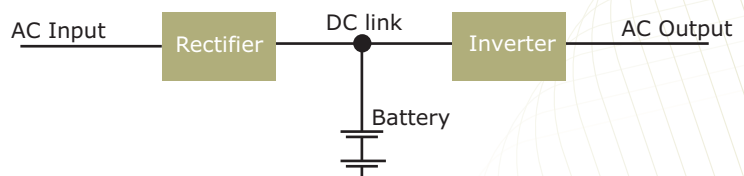


ON-LINE DOUBLE CONVERSION UPS True on-line battery

- Available in 3/3
- Unique light and compact design - only 68Kg!
- Great performance:
 - > High efficiency AC/AC: 96%
 - > Low input THDi: 5%
 - > Input PF: 0.99
 - > Back light LCD
 - > 10kVA redundancy inverters and rectifiers

Double Conversion True On-Line Battery (VFI)

According to IEC 62040-3



GAMATRONIC
Our Power, Your Confidence

Specifications

POWER+ SA UPS	30 kVA	40 kVA
Topology	True Online Battery, Double Conversion	
INPUT	1 or 3 phase+N	3 phase+N
Voltage	3X400 V + N; 45-65 Hz	
Voltage Range	-27% ÷ +20%	
Power Walk-In	> 60 sec	
Power Factor	0.99	
THDI	5%	
Earth Leakage Current	3mA max	
OUTPUT	3 phase+N	
Rated Power	30 kVA / 24 kW	40 kVA / 32 kW
Frequency Tracking Range	±1,±2,±3Hz (selectable)	
Slew Rate	1 Hz/sec	
Voltage	3X400 V + N; 50 Hz	
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 %	
STATIC SWITCH (bypass)		
Input Connection	Dual Input	
GENERAL		
Maximum Power Dissipation (Po=8KW)	999W (3408 BTU)	1332W (4544 BTU)
Ambient Temperature	-10 ^o to +40 ^o (operating); -20 ^o to +70 ^o (storage)	
Relative Humidity	95% max non-condensation	
Altitude	1500 without derating	
Enclosure	IP20	
Cooling System	Multi-Fan with speed control (forced)	
Acoustic Noise (Full load) @1.5m distance	48dBA	
MTBF	250,000 hrs	
Dimensions (H x W x D) (cm)	66 x 48 x 58	
Weight (electronic cabinet)	68Kg	
COMMUNICATION		
RS232	yes	
Alarm - Shutdown Monitor	yes	
SNMP	option	
LCD DATA DISPLAY		
Input	Voltage, Frequency, Current	
Output	Voltage, Frequency, Current	
Batteries	Voltage	
Log (events memory)	Last 256 Events	
STANDARDS		
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	
BATTERIES (external)		
Type	Sealed, valve regulated, lead-acid	
Number	64x12V	
Backup Time	5 min. at 100% load; 15 min. at 50% load	
Recharge Time	Approx. 1-2 hrs.	

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

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