

# POWER+ SA

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



## Features

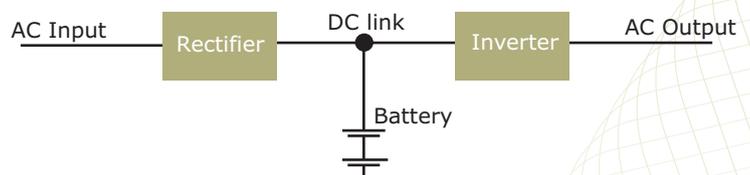
- > Flexible use - available in 3/3 and 2/2
- > Unique light and compact design - only 18Kg electronic cabinet!
- > Great performance:
  - High efficiency AC/AC: 94%
  - Low input THDi: 5%
  - Input PF 1
  - Back light LCD

Battery Cabinet



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

According to IEC 62040-3



Our Power, Your Confidence

# POWER+ SA 208V Specifications

POWER+ SA UPS	3x208V+N	2x120V+N
Topology	True Online Battery, Double Conversion	
Model	10kVA	
<b>INPUT</b>	3 phase+N	2 phase+N
Voltage	3X208V+N	2x120V+N
Voltage Range	-25% ÷ +15%	
Current	28A max. per phase, no inrush current at startup	
Frequency	47 ÷ 53Hz	57 ÷ 63Hz
Power Walk-In	>60 sec	
Input Power Factor	1	
Input THDI	<5%	
<b>OUTPUT</b>	3 phase+N	2 phase+N
Rated Power	10kVA/8kW	7.5kVA/6kW
Frequency Tracking Range	± 3Hz	
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)	4:1	
DC/AC Efficiency (nominal)	96%	
AC/AC Efficiency (nominal)	94%	
<b>STATIC SWITCH (bypass)</b>		
Input Connection	Dual Feed	
<b>GENERAL</b>		
Maximum Power Dissipation (Po=8KW)	510W (1740 BTU/h)	384W (1310 BTU/h)
Ambient Temperature	-10 <sup>0</sup> to +40 <sup>0</sup> (operating); -20 <sup>0</sup> to +60 <sup>0</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	51dBA	
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	IEC 62040-2; FCC PART 15-B	
Safety	UL 1778; IEC 62040-1-1	
Design	IEC 62040-3	
Low Magnetic Field Radiation	EMF as per ICNIRP	
<b>BATTERIES (external)</b>		
Batteries Type	Valve Regulated Lead-Acid (VRLA)	
	32x7Ah/12V	
Backup Time	4 min. at 100% load 13 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 (w/o batteries)	90Kg	

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

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