

POWER+ SA

10kVA On-Line Double Conversion UPS

UPS

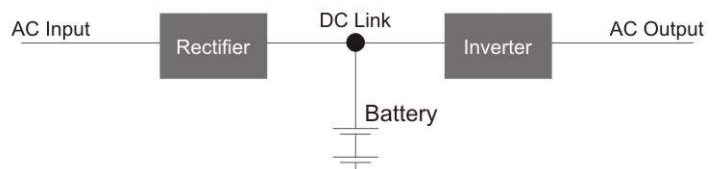


Unique Features:

- > Flexible use - available in 3/3, 3/1 and 1/1
- > Unique design - light and compact only 18KG electronic cabinet!
- > High efficiency AC/AC: 96%
- > Low input THDi: 5%
- > Input PF > 0.99
- > Back light LCD
- > Exclusive Feature for Data Processing Machine

Double Conversion True On-Line Battery (VFI)

According to IEC 62040-3



SMARTER. GREENER. FASTER.

Technology Associates:



Our Power Your Confidence

Technical Specifications

POWER + SA 10 kVA	3/3	3/1	1/1
Topology	True On-line Battery, Double Conversion		
INPUT	3 phase + N		Single phase + N
Voltage	3 × 400V + N		230V, 1 phase + N
Current	15 A per phase, no inrush current at startup		
Voltage Range	- 20% , + 15%		
Frequency	47 - 63Hz		
Power Walk-in	> 60 sec		
Power Factor	> 0.99		
THD i	5% on nominal load		
OUTPUT			
Rated Power	10kVA/8kW		
Frequency Tracking Range	± 3 Hz		
Slew Rate	1Hz/sec		
Voltage	3 × 400V + N	230V, 1 phase + N	230V, 1 phase + 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	< 2% for linear load, < 5% for non linear load		
Load CF	3:1		
DC / AC Efficiency (nominal)	Up to 98%		
AC / AC Efficiency (nominal)	Up to 96%		
STATIC SWITCH (bypass)			
Input Connection	Dual Input		
GENERAL			
Maximum Power Dissipation (Po=8kW)	333W (1136 BTU/h)		
Ambient Temperature	10 to + 40 Deg C (Operating) ; -20 to + 60 Deg C (Storage)		
Relative Humidity	95% max non-condensation		
Altitude	1500 without derating		
Enclosure	IP 20		
Cooling System	Multi-Fan with speed control (forced)		
Acoustic Noise (Full load) @1.5m distance	47 dBA		
Dimension (H x W x D) (mm)	560 x 90 x 600		
Weight (electronic cabinet)	18 Kg.		
COMMUNICATION			
RS 232	Yes		
Alarm - Shutdown Monitor	Yes		
SNMP - GMaCi	Optional		
LCD DATA DISPLAY			
Input	Voltage, Current, Frequency		
Output	Voltage, Current, Frequency		
Batteries	Voltage		
Log event memory	Last 200 events		
STANDARDS			
EMC	EN50091-2 Class A; IEC 62040-2 Class A		
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 Maintenance Free (SMF) VRLA, Tubular lead acid		
DC-Link Voltage	± 340 to 425V		
Number	12V, 64 nos.		
Battery Recharge Time	Approx. 6 to 8 hrs.		

■ All specifications are subject to change without prior notice.

ADOR POWERTRON LIMITED

An ISO 9001-2000 Company

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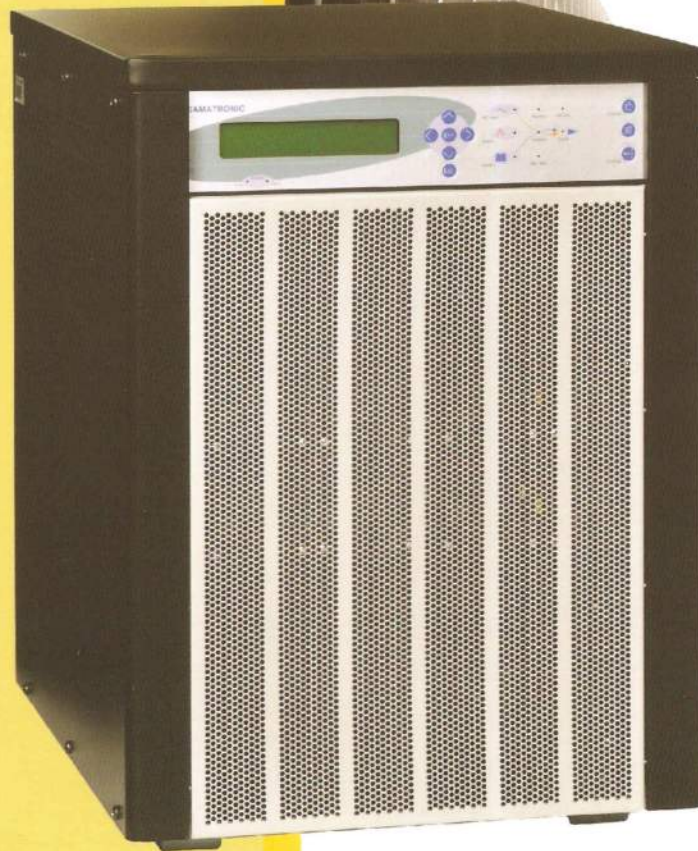
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POWERTRON

POWER+ SA

20kVA, 30kVA, 40kVA UPS

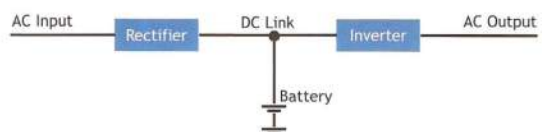


ON-LINE DOUBLE CONVERSION UPS True on-line battery

- 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
 - › Exclusive feature for data processing machine

Double Conversion True On-Line Battery (VFI)

According to IEC 62040-3



Technology Associates:

**GAMATRONIC ELECTRONIC
INDUSTRIES LTD. ISRAEL**



Specifications

Power+ SA UPS	20kVA	30kVA	40kVA
Topology	True Online Battery, Double Conversion		
INPUT	3 Phase+N		
Voltage	3x400 V + N, 45-65Hz		
Voltage Range	-20% , +20%		
Power Walk-in	> 60sec		
Power Factor	0.99		
THDI	5%		
Earth Leakage Current	3mA max		
OUTPUT	3 Phase+N		
Rated Power	20kVA/16KW	30kVA/24KW	40kVA/32KW
Frequency Tracking Range	±1, ±2, ±3Hz(selectable)		
Slew Rate	1Hz/Sec		
Voltage	3x400 V + N;50Hz		
Static Regulation	± 1%		
Regulation for Unbalance Load	±1% for 100% Unbalance 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)	upto 6:1		
DC/AC Efficiency (nominal)	98%		
AC/AC Efficiency (nominal)	96%		
STATIC SWITCH (bypass)			
Input Connection	Dual Input		
GENERAL			
Maximum Power Dissipation	666W (2272 BTU)	999W (3408 BTU)	1332W (4544 BTU)
Ambient Temperature	-10° to 40° (operating); -20° to +70° (storage)		
Relative Humidity	95% max non-condensation		
Altitude	1500 without derating		
Enclosure	IP 20		
Cooling System	Multi-Fan with speed control (forced)		
Acoustic Noise (Full load) @1.5m distance	48dBA		
MTBF	250,000 hrs		
Dimensions (HxWxD)(mm)	660 x 480 x 580		
Weight (electronic cabinet)	68Kg (max)		
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 Design	EN50091-1; IEC 62040-1-1 EN50091-3; IEC 62040-1-3		
Low Magnetic Field Radiation	EMF as per ICNIRP		
BATTERIES (external)			
Type	Sealed, Valve regulated, lead-acid		
Number	64x12V		

*All specification are typical subject to change without prior notice

UPS/10/Power+SA

Ador Powertron Limited

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