

POWER+ SA

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



Features

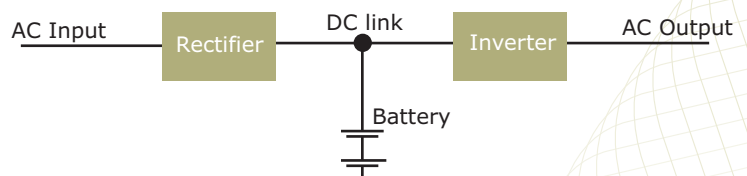
- > Flexible use - available in 3/3 and 2/2
- > Unique light and compact design - only 18Kg electronic cabinet!
- > Great performance:
 - High efficiency AC/AC: 94%
 - Low input THDi: 5%
 - Input PF 1
 - Back light LCD

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 | |
| INPUT | 3 phase+N | 2 phase+N |
| Voltage | 3X208V+N | 2x120V+N |
| Voltage Range | -25% ÷ +15% @ 80% load | |
| 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% | |
| OUTPUT | 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) | up to 94% | |
| STATIC SWITCH (bypass) | | |
| Input Connection | Dual Feed | |
| GENERAL | | |
| Maximum Power Dissipation (Po=8KW) | 510W (1740 BTU/h) | 384W (1310 BTU/h) |
| Ambient Temperature | -10 ^o to +40 ^o (operating); -20 ^o to +60 ^o (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 | |
| 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; IEC 62040-1-1 | |
| 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 | 4 min. at 100% load 13 min. at 50% load | |
| Battery Recharge Time | Approx. 1-2 hrs. | |
| Battery Cabinet | | |
| Dimensions (H x W x D) (cm) | 45 x 26 x 60 | |
| Weight (w/o batteries) | 90Kg | |

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

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