

POWER+ SA

Stand Alone/Tower 10kVA On-Line double conversion UPS True on-line batteries

Features

- Lightweight and compact design, weighing only 18 Kg
- Flexible use - available in 3/3, 3/1 and 1/1 phase configurations
- Great performance:
 - > High efficiency AC/AC: 96%
 - > Low input THDi: <5%
 - > Input PF of 1
 - > Backlight LCD
- Available also in 208v with UL conformity
- Mainly used for Small & Medium sized applications, as well as an OEM component for large devices (such as Medical CT products)



POWER+ SA

Stand Alone 20/30/40kVA On-Line double conversion UPS True on-line batteries

Features

- Unique and compact design, weighing only 68kg (at 40kVA)
- Great performance:
 - > High efficiency AC/AC: 96%
 - > Low input THDi: 5 %
 - > Input PF: 1
 - > Backlight LCD
 - > External battery cabinets available



POWER+19"

10-20kVA On-Line double conversion UPS True on-line batteries

Features

- The POWER +19" is a variant of the POWER+ UPS, which can be integrated as a sub rack into any standard 19" rack, for a lower cost configuration of the 10kVA and 20kVA UPS's.
- The kit includes:
 - > One or two 10kVA POWER+ modules
 - > A Controller with a built-in STSW
 - > A 19" shelf to host the POWER+ module and controller
- The kit reaches a height of 4U with one 10kva module and 6U with 2 modules.



4U height

POWER+ SA 20 kVA, 30 kVA, 40 kVA Technical Specifications

POWER+ SA UPS	20 kVA	30 kVA	40 kVA
Topology	True online battery, double conversion		
INPUT	3 phase+N+PE		
Voltage	3 X (380V ~ 415V) + N + PE		
Frequency tolerance	45-65 Hz		
Voltage tolerance	-27% ÷ +20%		
Power walk-in	< 60 s		
Power factor	1		
THDI	<5 %		
Earth leakage current	3 mA		
OUTPUT	3 phase+N		
Rated power	20 kVA / 16 kW	30 kVA / 24 kW	40 kVA / 32 kW
Frequency tracking range	±0.5, ±1, ±2, ±3, ±4Hz (selectable)		
Slew rate	1 Hz/sec		
Voltage	3x400 V		
Frequency	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 feed		
GENERAL			
Maximum power dissipation (Po=8KW)	666 W (2274 BTU)	999 W (3408 BTU)	1332 W (4544 BTU)
Ambient temperature	-10 °C to +40 °C (operating); -20 °C to +70 °C (storage)		
Relative humidity	95 % max non-condensation		
Altitude	1500 m without derating		
Enclosure	IP20		
Cooling system	Multi-Fan with speed control (forced)		
Acoustic noise (full load) @1.5m distance	54 dBA	57 dBA	
MTBF	250,000 h		
Dimensions (H x W x D) (mm)	660 x 480 x 580		
Weight (electronic cabinet)	50 kg	59 kg	68 kg
COMMUNICATION			
Dry contact alarms	Yes		
SNMP/ Web	Yes		
LCD DATA DISPLAY			
Input	Voltage, frequency, current, power		
Output	Voltage, frequency, current, power		
Batteries	Voltage		
Log (events memory)	Last 256 events		
STANDARDS			
EMC	IEC 62040-2, under EMC 2004/108/EC		
Design	IEC 62040-3		
Safety	IEC 62040-1, under LVD 2006/95/EC		
Low magnetic field radiation	EMF as per ICNIRP		
BATTERIES			
Type	Sealed, valve regulated, lead-acid		
Number	64x12 V		
Battery cabinet	External		
DC voltage	± 432 V		

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