

POWER+ SA

10kVA - Stand Alone On-Line Double Conversion UPS

- **Flexible Use**
Available in 3/3, 3/1 and 1/1
- **Smallest Footprint**
With measurements of only 90mm(W) x 600mm(D) results in more power per cm² while weighing only 18kgs. (UPS Component)
- **Low Operating Cost**
Energy saving 10kVA has only 384W heat dissipated at full load
- **Clean Environment**
High Efficiency AC/AC: 96%
Low input THDi: 4%
Input PF 1
Back Light LCD



LCD Control Panel

The **POWER+ SA** is a stand alone double conversion on line 10KVA UPS configurable as 3/3, 3/1, 1/1 with a very small footprint (90(w) x 600(d) mm) and 540 mm high for the electronic cabinet which weighs less than 20Kg.

The **Power+ SA** has high efficiency AC/AC 96% and DC/AC 98% low input THD(linear load) <2% and an input power factor close to unity.

The control is by back light LCD screen mounted at a convenient angle to enable clear view and easier use when looking for information or interrogating the UPS. Batteries are housed in a separate cabinet that can be located in a convenient out of the way area and is easily serviced by trained technicians.

The UPS is intelligent and can support SNMP and GMaCi communication as well as maintaining the last 200 events in its on board "events memory".

The **Power+ SA** UPS is ideal for maintaining power to critical loads for the period of "hope" between mains power outage and auto start generator coming on line. With a single string of 5 Ah batteries the **Power+ SA** can maintain a full load (8,000Watt) for approximately 7 minutes, which is ample time for an auto start generator to come on line and power the load.

It is recommended the **Power+ SA** is supplied with a Maintenance By Pass switch to enable the UPS be taken off line for maintenance, without interrupting the load. It is also recommended the input to the **Power+ SA** UPS is protected with a quality surge filter or surge diverter.

**POWER FOR THE
NON-STOP WORLD**

www.upsonic.com.au
Phone 1800 634 307



Specifications

Model	POWER+ SA	
Input	Voltage	240 V / 415 V
	Voltage Range	- 27% and + 20%
	Power Walk In	>60 sec
	Power Factor	0.99
	THDI	4%
	Earth Leakage Current	3mA max
Output	Rated Power	10kVA / 8kW
	Frequency Tracking Range	±3 Hz
	Slew Rate	1 Hz / sec
	Voltage	240 V / 415 V
	Static Regulation	± 1%
	Reg. for Unbalanced Load	1% for 100% Unbalanced load
	Response top 100% Load	± 2%
	Overload	110% for 10min.; 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
Environment	Maximum Power Dissipation	333W (1136 BTU) (P0=8KW)
	Temperature	- 10° C to +40° C (operating) and -20° C to + 60° C (storage)
	Humidity	0-95% Non-condensing
	Enclosure	IP 20
	Cooling	Forced - Multi-Fan with speed control
	Acoustic Noise	47 dBA at @ 1.5 metre distance
	Dimensions HxWxD (cm)	54 x 9 x 60
Weight (electronic cabinet)	18kg	
Communication	RS 232, Alarm - Shutdown Monitor, SNMP(Optional)	
LCD Data	Input/Output	Voltage, Frequency, Current
	Batteries	Voltage
	Log	Last 200 Events (events memory)
Standards	EMC Emission	EN 50091-2 Class A ; IEC 62040-2
	EMC Immunity	EN 50082 - 2
	Safety / Design	Safety E50091-1 ; IEC62040-1-1 / Design EN40091-3 ; IEC62040-3
Batteries (External)	Type	Valve Regulated Lead Acid (VRLA) 64 x 5Ah
	Back up Time	7 min. at 100% load; 24 min. at 50% load
	Recharge Time	Approx 1 - 2 hours
Battery Cabinet	Dimensions HxWxD (cm)	45 x 26 x 60
	Weight	115 kg



Rear of unit

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