SmartOnline[™] Intelligent True On-Line UPS Systems



Deliver True On-Line, Pure Sine Wave, Zero Transfer Time Operation

SmartOnline UPS Systems provide mission-critical equipment with the highest level of power protection. Dual-conversion technology continually converts incoming AC power into filtered DC power, and then resynthesizes it back into AC power with a pure sine wave. Constant on-line operation completely isolates sensitive equipment from every power problem on the AC line. SmartOnline models accept the widest range of incoming voltage and frequency variations, delivering the most consistently pure, highly-regulated AC power: $\pm 2\%$ V and \pm 0.2 Hz.

SmartOnline UPS Systems provide reliable battery power with zero transfer time to keep networks up and running safely through short blackouts and allow enough time to safely shut down during longer ones. In addition, they stop damaging lightning and surges and filter disruptive line noise.

Control Individual Outlets

Prioritize the uptime of your most mission-critical loads during a power failure with Customized Load Management Receptacles featured on select models. Program PowerAlert to reboot a locked up computer by cycling the power on and off to select receptacles on the UPS system. You can also program PowerAlert to shut down less important systems during an extended blackout, preserving battery runtime for more critical equipment.

Application:

- Servers Datacenters
- Internetworking Equipment
- ISP/Telecom/Lab Equipment

TRUE ON-LINE

- ▶ 1,000 3,000 VA
- ► Zero Transfer Time, Dual-Conversion
- ► 65-138V Input with Precision Regulated Output
- ► Internal Batteries & Extended Runtime Capability*

* With external battery packs.

Rackmount solutions? See pages 6 - 9.

Extend Runtime

Without enough runtime, you stand to lose up to \$50,000 per hour according to a recent survey on the cost of lost productivity for an hour of network downtime.* All models accept external battery packs to provide all the runtime you need! Locate your planned load and optimum runtime on the chart below. *Yankee Group.

ART	Load (VA/	Runtime (minutes) with included	Runtime (minutes) with additional external battery packs							
Η	Watts)	batteries	1	2	3	4	5			
	SU1000XL Extended Runtime with BP36V13 battery packs									
Ш	500/400	18	70	129	186	254	312			
H	1000/800	6	30	56	84	105	144			
Z	SU2200XL Extended Runtime with BP72V9 battery packs									
۳ -	1100/800	18	70	129	186	254	312			
	2200/1600	6	30	56	84	105	144			
E D	SU3000XL Extended Runtime with BP72V9 battery packs									
0	1500/1200	18	39	62	91	111	138			
П	3000/2400	6	17	28	37	48	63			
EXT		pplication Specialists at (773) 8 ur specific load requirements.	69-1236 f	or addition	al extende	d runtime				

Manage a Server

Use the SmartOnline's built-in communication port with included cable and PowerAlert Software to provide shutdown commands and reporting on a single server.* Intelligent communications allow you to check UPS status (including battery charge level) and AC power status as well as reboot Customized Load Management Receptacles.

^{*} Additional PowerAlert features: pages 14 and 15.

Feature Focus

A Extended Runtime Capability

All models feature connectors to accept optional external battery packs for additional runtime. External batteries can be "hot-swapped". See Extended Runtime Chart on page 10 to locate the perfect SmartOnline model that fits your runtime needs.

B Customized Load Management

Prioritize the uptime of your most missioncritical loads during a power failure. All models feature special receptacles that you control independently through PowerAlert Software. Program PowerAlert to reboot a locked up computer or to shut down less important systems, preserving battery runtime for more critical equipment.

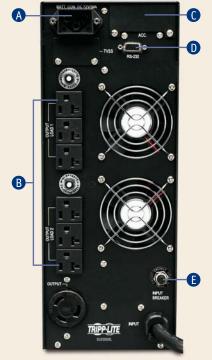
C NMS Integration

Accessory slot accepts an optional internal SNMP/Web card* for remote shutdowns, reboots and more. Use card



with optional environmental sensor** to remotely monitor environmental conditions or to control alarm/security systems.

* Model: SNMPWEBCARD. ** Model: ENVIROSENSE.



SU2200XL Rear Panel

D Server Support

A built-in communication port provides shutdown commands and reporting on a single server.



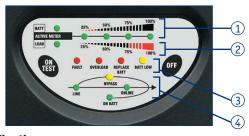
SU1000XL Rear Pane

Short Circuit Protection

Circuit breaker helps guard against input short circuits.

Display Critical Operational Conditions

SmartOnline UPS Systems feature a front panel LED display which alerts you to a variety of UPS operational modes and conditions. This easy-to-read interface provides more information than comparable models, allowing you to react more rapidly to an alert before your systems are put at risk.



the UPS system's capacity (25% - 100%) that your equipment load is utilizing under normal operating conditions. (3) Fault/Warning Conditions

The Load Active Meter allows you to monitor the total amount of

The Battery Active Meter allows you to monitor battery charge level (25% - 100%) as your equipment is supported by the UPS system during

(1) Battery Conditions

a blackout.

(2) Load Conditions

LED set alerts you to several fault conditions (including wiring faults in the wall outlet) and warning conditions (including the need to recharge or replace the UPS system's internal battery).

4 UPS System Operational Conditions

LED set is organized into an easy-to-read flow chart that indicates UPS system operational status. The LEDs positioned on the straight line indicate normal online operation, and the LEDs positioned off the straight line indicate bypass operation (due to fault or overload) or on-battery operation (due to a blackout or severe brownout).

Specifications

	<u>0M</u>	Backup Time	Input Voltage			AC	Customized Load	Comm. Port	SNMP/ Web		Power		
86-4-1	Output Capacity	(Typical Minutes) Half/	Range/ Frequency	Nominal Output	Quan-	eptacles NEMA	Manage- ment	"Smart" RS-232	Acces- sory	Input Plug	Cord Length	Unit Dimensions	Shipping Weight
Model	(VA/Watts)	Full Load(A)	(Hz)	Voltage	tity	Туре	Receptacles	(DB9)	Slot	(NEMA)	(ft)	H x W x D (in)	(lb)
SmartOnline UPS Systems													
📥 SU1000XL	1000/800	18/6+	65-138 ^(B) (50/60) ^(C)	120	6	5-15R	2 banks of 3	1 ^(D)	yes	5-15P	6	9.5 x 5.5 x 14.5	40
SU2200XL	2200/1600	18/6+	65-138 ^(B) (50/60) ^(C)	120	7	6 (5-15/20R), 1 (L5-20R)	2 banks of 3	1(D)	yes	5-20P(E)	10	14.75 x 5.5 x 16.75	71
SU3000XL	3000/2400	18/6+	65-138 ^(B) (50/60) ^(C)	120	7	6 (5-15/20R), 1 (L5-30R)	2 banks of 3	1(D)	yes	L5-30P	10	14.75 x 5.5 x 16.75	79

External Battery Packs and Accessories 36V external battery pack and cable (for SU1000XL model only) BP36V13 9.5 x 5.5 x 15 72V external battery pack and cable (for SU2200XL and SU3000XL models only) **BP72V9** 9.5 x 5.5 x 15 **SNMPWEBCARD** Internal SNMP/Web management accessory card (connects compatible UPS systems to Ethernet **ENVIROSENSE** Allows UPS to monitor external temperature/humidity and contact-closure inputs (requires SNMPWEBCARD)

6

⁺ Backup times are expandable using external battery packs. (A) Backup times will vary depending on battery condition and load. (B) UPS system requires derating below 80 volts. (C) Auto-selecting frequency. (D) Includes a single combination RS-232 and contact-closure port. (E) SU2200XL models include a separate NEMA 5-15P plug. The policy of Tripp Lite is one of continuous improvement. Specifications are subject to change without notice. Actual product may differ slightly from photos