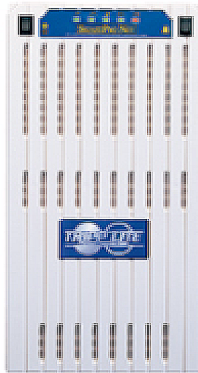# Model #: SMART3000NET

SmartPro UPS System - Intelligent, line-interactive battery backup for network and telecommunications System

Highlights

3000VA / 3kVA line interactive, extended-run tower UPS

Maintains 120V nominal output over an input range of 87 to 140V

Network communications supported via 3 DB9 ports (1 serial / 2 contact closure)

Current monitoring and switched PDU control via 2 single-outlet load banks

Input: L5-30P (120V 30A) / Output: 4 NEMA 5-15/20R, 4 NEMA 5-15R (120V)

2 year product warranty

Description

Tripp Lite's SMART 3000NET intelligent, line interactive large tower UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 23 minutes half load runtime and 7 minutes fully loaded. Runtime is expandable with optional BP24V28-2U (limit 1) and BP24V70-3U (multi-pack compatible) external battery packs. 3000VA/2400 watt power handling capability supports a variety of networking, telecom and other sensitive electronic applications. Includes 8 protected outlets. Supports remote monitoring of UPS and site power conditions via built-in RS-232 enabled monitoring port, plus standard UPS monitoring via 2 built in contact closure ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in audible alarm and front panel LEDs indicate line power, battery power, battery charge level, load level and voltage regulation status. Network grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive large gray tower housing.

Applications

Ideal for the protection of communication equipment including: routers, hubs, switches, IP-PBX, Traditional PBX and Key/Hybrid Telephone Systems. Also ideal for the protection of data processing equipment such as fileservers, workstations and other sensitive devices requiring clean, continuously regulated output power. Extended runtimes are available using additional external battery packs BP24V28-2U (limit 1) and BP24V70-3U (multi-pack compatible).

Package Includes

SMART 3000NET UPS System

PowerAlert Software and three 6 foot network cables

Warranty information

Instruction manual

Features

SMART 3000NET line interactive UPS offers battery derived AC output during power outages, voltage regulation during brownouts and overvoltages, plus network-grade AC surge suppression

3000VA/2400 watt power handling capability supports a variety of networking, telecom and other sensitive electronic devices

Large internal batteries offer runtimes of 23 minutes at half load (1500VA/1200 watts) and 7 minutes at full load (3000VA/2400 watts)

Runtime is further expandable with optional external BP24V28-2U (limit 1) and BP24V70-3U (multi-pack compatible) battery packs

Automatic Voltage Regulation (AVR) circuits maintain 120V nominal output over an input voltage range of 87-140V

Includes 8 fully protected outlets (4 NEMA 5-15R & 4 NEMA 5-15/20R) with 2 single outlet load banks that can be individually powered off and back on again via software interface

PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user defined script commands

Offers simultaneous monitoring of up to 3 directly connected devices through included DB9 contact closure and RS-232 enabled interfaces, or the monitoring of any number of additional servers over IP with included PowerAlert monitoring software

In addition to the contact closure monitoring of on battery, low battery and power restored messaging, built-in RS-232 interface supports messaging of UPS and line power status, including AC line voltage, DC battery voltage and remaining battery capacity

Supports activate self-test and UPS output power control for delayed or immediate reboot of connected equipment

Diagnostic LEDs (indicate 17 performance conditions)

UL (USA), cUL (Canada), NOM (Mexico), FCC Class A (Emissions)

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60 Hz
OUTPUT	
Output VA	3000
Output watts	2400
Output nominal voltage	120V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-13% / +5%) BATTERY MODE: PWM sine wave output 120V +/-5%
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	4 NEMA 5-15R and 4 NEMA 5-15/20R
Customized load management receptacles	"2 individually controllable outlets support load shedding and remote reboot on demand of locked network devices. Controllable via PowerAlert software to switch off optional loads, like monitors, to increase available runtime for servers and other critical devices. "
Overload protection	Yes, via 35A input breaker and two 15A output load breakers
INPUT	
Maximum input amps	22A, 2600 watts
Input connection type	NEMA L5-30P
Input cord length	8 ft.
Recommended Electrical Service	30A 120V
BATTERY	
Full load runtime	7 minutes (3000VA)
Half load runtime	23 minutes (1500VA)
Expandable battery runtime	Supports extended runtime with optional BP24V28-2U (limit 1) and BP24V70-3U (multi-pack compatible)
DC system voltage	24 V DC
Typical battery lifespan	3-6 years, depending on usage

Battery recharge rate	2-4 hours to 90%

VOLTAGE REGULATION

Voltage regulation description	Line interactive UPS offers 2 boost levels of brownout correction and a single level of overvoltage adjustment to maintain usable, computer grade output without consuming battery power.
Overvoltage correction	Input voltages between 127 and 140V AC are reduced by 10%
Direct pass through	Input voltages between 110 and 127V AC are passed through unchanged
Brownout correction	Input voltages between 95 and 105V AC are boosted by 12%
Severe brownout correction	Input voltages between 87 and 94V AC are boosted by 22%

LEDS ALARMS & SWITCHES

Front panel LEDs	Includes 5 front panel LEDs to indicate BATTERY CHARGE LEVEL, AC LINE POWER STATUS, VOLTAGE REGULATION STATUS, UPS LOAD LEVEL and BATTERY LOW / REPLACE information
Alarms	Audible alarm with 15 second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes runtime remain.
Switches	Includes 2 front panel switches — one on/standby power switch and one dual function "alarm cancel" / "self test" button, plus 1 rear panel system enable switch

SURGE / NOISE SUPPRESSION

AC surge suppression	480 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes

PHYSICAL

Shipping weight (lbs)	96
Shipping weight (kg)	43.6
Shipping Dimensions (HWD/in)	22.25 x 12.75 x 16.5
Shipping Dimensions (HWD/cm)	57.2 x 32.4 x 42
Unit weight (lbs)	89
Unit weight (kg)	40.4
Unit Dimensions (HWD/in)	17 x 9 x 12.5
Unit Dimensions (HWD/cm)	43.2 x 22.9 x 31.75
Material of construction	PVC
Form factors supported	Tower
Cooling method	Fan
Receptacle Color	BLACK

ENVIRONMENTAL

Operating Temperature	+32 to +104 degrees Fahrenheit, 0 to +40 degrees Celsius
Storage Temperature	+5 to +122 degrees Fahrenheit, -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
Line mode BTU/hr. (Max.)	209.2
Battery mode BTU/hr. (Max.)	709.6

COMMUNICATIONS

Network monitoring port	Includes 3 built-in DB9 monitoring ports, 1 enabled with RS-232 data communications and 2 with standard contact closure communications. All interfaces support on battery, low battery and power restored messaging. RS-232 enabled port adds data regarding AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status messaging. Supports individual reboot of selected items connected to load management receptacles and load shedding to increase battery runtime for the most critical loads.
Software and cabling included	Includes PowerAlert UPS monitoring software and complete cabling

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage decreases to 87 volts or less.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 140 volts or higher.

SPECIAL FEATURES

Appearance	Attractive gray tower UPS

BATTERY PACK ACCESSORY (optional)

Battery Pack Accessory (optional)	BP24V28-2U (limit 1) and BP24V70-3U (multi-pack compatible)

CERTIFICATIONS

Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)

WARRANTY

Product warranty	2 year product warranty
Optional coverage	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information

Related Items

Extended Warranties

WEXT3-2200-3000	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA	Qty: [optional]
WEXT5-2200-3000	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	Qty: [optional]

External Battery Packs

BP24V28-2U	External Battery Pack for UPS System (limit 1)	Qty: [optional]

BP24V70-3U	External Battery Pack for UPS System (multi-pack compatible)	Qty: [optional]

Power Distribution

RS-1215	Tripp Lite Power Strip - Multiple outlets wherever you need them	Qty: [optional]
RS-1215-20	Tripp Lite Power Strip - Multiple outlets wherever you need them	Qty: [optional]
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
PDU1220	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]

Surge Protectors

DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

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