

## SmartPro 120V 2.2kVA 1.7kW Line-Interactive UPS, Tower, Extended run, 3 DB9 ports

MODEL NUMBER: **SMART2200NET**



### Highlights

- 2.2kVA / 2200VA line interactive, extended-run tower UPS
- 120V output, Corrects brownouts and overvoltages from 87V to 140V
- 3 DB9 communication ports (1 RS232 / 2 contact-closure)
- Front panel status LEDs with load and battery capacity display
- 2 independently switchable output load banks
- NEMA 5-15P input, 6 NEMA 5-15R outlets

### Package Includes

- SMART2200NET UPS System
- Three 6ft network cables
- Instruction manual

### Description

SMART2200NET 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 27 minutes half-load runtime and 11 minutes fully loaded. Runtime is expandable with optional BP24V28-2U (limit 1) and BP24V70-3U external battery packs. 2200VA/1700W power handling capability supports a variety of networking, telecom and other sensitive electronic applications. Includes six protected outlets. Supports remote monitoring of UPS and site power conditions via built-in RS-232 enabled monitoring port, plus standard UPS monitoring via two built-in contact closure ports. PowerAlert® UPS monitoring and unattended shutdown software is available via free download. Built-in audible alarm and front-panel LEDs indicate line power, battery power, battery charge level, load level, plus voltage regulation status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges.

### Features

- SMART 2200NET line interactive UPS offers battery derived AC output during power outages, voltage regulation during brownouts and overvoltages, plus network-grade AC surge suppression
- 2200VA/1700 watt power handling capability supports a variety of networking, telecom and other sensitive electronic devices
- Large internal batteries offer runtimes of 27 minutes at half load (1100VA/850 watts) and 11 minutes at full load (2200VA/1700 watts)
- Runtime is further expandable with optional external BP24V28-2U (limit 1) and BP24V70-3U (multi-pack compatible) battery packs
- Intelligent battery management system extends battery life
- Automatic Voltage Regulation (AVR) circuits maintain 120V nominal output over an input voltage range of 87-140V
- Includes 6 fully protected NEMA 5-15R outlets with 2 single outlet load banks that can be individually powered off and back on again via software interface
- DB9 ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from [triplite.eaton.com/products/power-alert](http://triplite.eaton.com/products/power-alert)
- Offers simultaneous monitoring of up to 3 directly connected devices through included DB9 contact closure and RS-232 enabled interfaces
- 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



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- Supports activate self-test and UPS output power control for delayed or immediate reboot of connected equipment
- Diagnostic LEDs (indicate 17 performance conditions)

## Specifications

| OVERVIEW                                 |                                                                                                                           |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| UPC Code                                 | 037332032041                                                                                                              |
| UPS Type                                 | Line-Interactive                                                                                                          |
| INPUT                                    |                                                                                                                           |
| Input Phase                              | Single-Phase                                                                                                              |
| Rated input current (Maximum Load)       | 15A                                                                                                                       |
| Nominal Input Voltage(s) Supported       | 120V AC                                                                                                                   |
| UPS Input Connection Type                | 5-15P                                                                                                                     |
| Input Circuit Breakers                   | 20A                                                                                                                       |
| UPS Input Cord Length (ft.)              | 8                                                                                                                         |
| UPS Input Cord Length (m)                | 2.4                                                                                                                       |
| Recommended Electrical Service           | 20A 120V                                                                                                                  |
| Input Cord Length (ft.)                  | 8                                                                                                                         |
| Input Cord Length (m)                    | 2.44                                                                                                                      |
| OUTPUT                                   |                                                                                                                           |
| Output Capacity (VA)                     | 2200                                                                                                                      |
| Output Capacity (kVA)                    | 2.2                                                                                                                       |
| Output Capacity (Watts)                  | 1700                                                                                                                      |
| Output Capacity (kW)                     | 1.7                                                                                                                       |
| Output Capacity Details                  | Output is reduced to 1200W maximum with 1-2 external battery packs and 800W maximum with 3 or more external battery packs |
| Power Factor                             | 0.8                                                                                                                       |
| Nominal Voltage Details                  | 120v nominal output in battery mode                                                                                       |
| Frequency Compatibility                  | 60 Hz                                                                                                                     |
| Output Voltage Regulation (Line Mode)    | -13% / +5%                                                                                                                |
| Output Voltage Regulation (Battery Mode) | +/- 5%                                                                                                                    |
| Load Management Receptacles              | Two switchable single outlet 5-15R load banks                                                                             |
| Output AC Waveform (AC Mode)             | Sine wave                                                                                                                 |
| Output AC Waveform (Battery Mode)        | PWM sine wave                                                                                                             |

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|                                                    |                                                                                                                                                                                                                  |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary UPS Height (mm)                            | 432                                                                                                                                                                                                              |
| Primary UPS Width (mm)                             | 229                                                                                                                                                                                                              |
| Shipping Dimensions (hwd / in.)                    | 13.75 x 16.50 x 22.50                                                                                                                                                                                            |
| Shipping Dimensions (hwd / cm)                     | 34.92 x 41.91 x 57.15                                                                                                                                                                                            |
| Shipping Weight (lbs.)                             | 82.16                                                                                                                                                                                                            |
| Shipping Weight (kg)                               | 37.27                                                                                                                                                                                                            |
| UPS Housing Material                               | Polycarbonate                                                                                                                                                                                                    |
| UPS Power Module Dimensions (hwd, cm)              | 43.18 x 22.86 x 31.75                                                                                                                                                                                            |
| UPS Power Module Dimensions (hwd, in.)             | 17 x 9 x 12.5                                                                                                                                                                                                    |
| UPS Power Module Weight (kg)                       | 36.29                                                                                                                                                                                                            |
| UPS Power Module Weight (lbs.)                     | 80                                                                                                                                                                                                               |
| Unit Dimensions (hwd / in.)                        | 17.000 x 9.000 x 12.500                                                                                                                                                                                          |
| Unit Weight (lbs.)                                 | 80.0000                                                                                                                                                                                                          |
| Unit Weight (kg)                                   | 36.29                                                                                                                                                                                                            |
| <b>ENVIRONMENTAL</b>                               |                                                                                                                                                                                                                  |
| Operating Temperature Range                        | 32° to 104°F (0° to 40°C)                                                                                                                                                                                        |
| Storage Temperature Range                          | 5° to 122°F (-15° to 50°C)                                                                                                                                                                                       |
| Relative Humidity                                  | 0 to 95%, non-condensing                                                                                                                                                                                         |
| AC Mode BTU / Hr. (Full Load)                      | 59                                                                                                                                                                                                               |
| AC Mode Efficiency Rating (100% Load)              | 99%                                                                                                                                                                                                              |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load | 867                                                                                                                                                                                                              |
| <b>COMMUNICATIONS</b>                              |                                                                                                                                                                                                                  |
| Network Monitoring Port Description                | Supports detailed monitoring of UPS and site power conditions; contact closure communications via two additional DB9 ports (3 total)                                                                             |
| PowerAlert Software                                | For local monitoring via the UPS's built-in communication ports, download PowerAlert software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a> |
| Communications Cable                               | 3 DB9 cables included                                                                                                                                                                                            |
| Network Management Card Description                | Network management not supported                                                                                                                                                                                 |
| Communications Interface                           | Contact closure; DB9 Serial                                                                                                                                                                                      |
| <b>LINE / BATTERY TRANSFER</b>                     |                                                                                                                                                                                                                  |
| Transfer Time                                      | 2-4 milliseconds                                                                                                                                                                                                 |
| Low Voltage Transfer to Battery Power (Setpoint)   | 87                                                                                                                                                                                                               |

|                                                             |                                                                                                                                                                                                          |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| High Voltage Transfer to Battery Power (Setpoint)           | 140                                                                                                                                                                                                      |
| FEATURES & SPECIFICATIONS                                   |                                                                                                                                                                                                          |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported                                                                                                                                                                           |
| High Availability UPS Features                              | Surge/noise protection                                                                                                                                                                                   |
| APPLICATIONS                                                |                                                                                                                                                                                                          |
| UPS Applications                                            | Large Network                                                                                                                                                                                            |
| STANDARDS & COMPLIANCE                                      |                                                                                                                                                                                                          |
| Product Certifications                                      | CSA (Canada); NOM (Mexico); UL 1778                                                                                                                                                                      |
| Product Compliance                                          | RoHS; FCC Part 15 Class A (USA)                                                                                                                                                                          |
| WARRANTY & SUPPORT                                          |                                                                                                                                                                                                          |
| Product Warranty Period (Worldwide)                         | 2-year warranty, 3 year with registration. Note:&nbsp;<a class="insuranceLink" href="//tripplite.eaton.com/support/product-warranty-registration">Registration is required</a>&nbsp;for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico)  | \$250,000&nbsp;<a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>&nbsp;                                                                      |

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