

SMC15002URM is not for sale in Colorado, Vermont and Washington state. Customers in these states should purchase the recommended ENERGY STAR® 2.0 model instead: SU1500RTXLCD2U. Learn

more about ENERGY STAR 2.0 and sales restrictions in these states.

# SmartPro 120V 1.5kVA 1kW Line-Interactive Sine Wave UPS, 2U Rack/Tower, LCD, USB, DB9, 8 Outlets

# MODEL NUMBER: SMC15002URM







Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Pure sine wave output is compatible with active PFC power supplies.

## Description

The SMC15002URM SmartPro 120V 1.5kVA 1kW Line-Interactive Sine Wave UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up high-performance workstations, servers and network equipment, the SMC15002URM switches to battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss. Pure sine wave output is compatible with active power factor correction (PFC) power supplies.

Featuring eight NEMA 5-15R outlets and a 10-ft. (3.05 m) power cord with 120V NEMA 5-15P input, the SMC15002URM has an internal battery that provides 17.7 minutes of support at half load and 6.5 minutes at full load. A front-panel LCD screen lets you configure settings and monitor operating data, such as load level, voltage, battery charge and estimated runtimes.

Automatic voltage regulation (AVR) maintains 120V nominal output over an input range of 83V to 147V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 570-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's free downloadable PowerAlert software, SMC15002URM enables safe unattended system shutdown and file saves in case of a prolonged power failure.

# Features

#### Protects Mission-Critical Electronic Equipment

• Provides fully regulated pure sine wave AC output compatible with active PFC power supplies

- Audible alarm signals loss of utility power, overload and low battery
- 8 NEMA 5-15R outlets
- 10-ft. (3.05 m) power cord with 120V NEMA 5-15P input
- 570-joule surge suppression rating

# Highlights

- Corrects under- and overvoltages from 83V to 147V
- 8 NEMA 5-15R outlets
- Monitoring of power conditions via POWERALERT12
- Interactive LCD monitoring screen
- 17.7 min. runtime at half load; 6.5 min. at full load

### Package Includes

- SMC15002URM SmartPro 120V
  1.5kVA 1kW Line-Interactive
  Sine Wave UPS
- USB cable
- UPSHDEARKIT mounting hardware
- Owner's manual



#### Reliable Battery Backup

- Supports half load up to 17.7 min. and full load up to 6.5 min.
- Internal batteries designed for hot-swap field replacement
- 94% line-power efficiency rating saves money in energy costs

#### Automatic Voltage Regulation (AVR)

• Maintains 120V nominal output over input range of 83V-147V without using battery power

#### **EMI/RFI Line Noise Filtering**

 Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

#### Interactive LCD Screen

- Front-panel LCD signals operating mode, load level, voltage, battery charge and estimated runtimes
- Supports multiple advanced user setup and operating preferences
- · Rotates for easy viewing in rack-mount or tower configurations

#### **Communications Ports**

- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from <u>www.tripplite.com/poweralert</u>
- EPO port supports emergency shutdown in large facilities

#### **Versatile Installation Options**

- UPSHDEARKIT 2- and 4-post hardware included for front-vertical-rail mounting in 2U of EIA-standard 19 in. rack
- Mounts on wall with optional 2POSTRMKITWM
- Mounts in upright tower position with optional 2-9USTAND
- · Mounts with extra front-to-rear support in 4-post racks with optional 4POSTRAILKIT

# **Specifications**

OVERVIEW		
UPC Code	037332186249	
UPS Type	Line-Interactive	
INPUT		
Rated input current (Maximum Load)	12A	
Nominal Input Voltage(s) Supported	120V AC	
UPS Input Connection Type	5-15P	
Input Circuit Breakers	15A	
UPS Input Cord Length (ft.)	10	



Tripp Lite 1111 W. 35th Street Chicago, IL 60609 USA Telephone: 773.869.1234 www.tripplite.com

	24
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output Capacity (kVA)	1.5
Output Watt Capacity (Watts)	1000
Output kW Capacity (kW)	1.0
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-21%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(8) 5-15R
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Full Load Runtime (min.)	6.5 min. (1000w)
Half Load Runtime (min.)	17.7 min. (500w)
Expandable Runtime	No
DC System Voltage (VDC)	36
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	<a class="productLink" href="//www.tripplite.com/2U-UPS-Replacement-36VDC-Battery-Cartridge-1-set-3-select-Tripp-Lite-SmartPro-UPS~RBC93-2U">RBC93-2U</a>
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 83 to 147
Overvoltage Correction	Input voltages between 128 and 147 are reduced by 12%



Undervoltage Correction	Input voltages between 83 and 107 are boosted by 14%
USER INTERFACE, ALERTS & CON	TROLS
Front Panel LCD Display	Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options)
Switches	3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions
Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount
Cooling Method	Fan
Included Mounting Accessory Description	Includes UPSHDEARKIT for 2 point front-mount and 2 point center-mount rackmount installation in 2 and 4 post racks, plus wallmount installation; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRAILKIT and 4POSTRAILKITWM
Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	4 post rackmount full-depth ( <a class="productLink" href="//www.tripplite.com/4-Post-Rack-Mount-Installation-&lt;br&gt;Kit-select-Rack-Mount-UPS-Systems-4POSTRAILKIT">4POSTRAILKIT</a> ); Tower ( <a class="productLink" href="//www.tripplite.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems-2- 9USTAND"&gt;2-9USTAND ); Wallmount ( <a class="productLink" href="//www.tripplite.com/2-Post-&lt;br&gt;Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-&lt;br&gt;Systems~2POSTRMKITWM">2POSTRMKITWM</a> )</a 
Minimum Required Rack Depth (cm)	41.91
Minimum Required Rack Depth (inches)	16.5
Optional Mounting Accessory Notes	Optional <a class="productLink" href="//www.tripplite.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-&lt;br&gt;Systems~2-9USTAND">2-9USTAND</a> enables upright tower UPS placement; <a class="productLink" href="//www.tripplite.com/4-Post-Rack-Mount-Installation-Kit-select-Rack-Mount-UPS- Systems~4POSTRAILKIT"&gt;4POSTRAILKIT  enables installation in 4-post standard depth racks from 20.5 to 36 inches (521 to 914mm);  <a class="productLink" href="//www.tripplite.com/4-Post-1U-Universal-&lt;br&gt;Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4POSTRAILKITWM</a>  enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm)</a 
Primary UPS Depth (mm)	342
Primary UPS Height (mm)	88
Primary UPS Width (mm)	439
Rack Height	2U
Shipping Dimensions (hwd / cm)	22.10 x 50.80 x 59.44



UPS Power Module Dimensions (hwd, cm)      8.76 x 43.94 x 34.16        UPS Power Module Dimensions (hwd, cm)      3.45 x 17.3 x 13.45        UPS Power Module Weight (kg)      21.09        UPS Power Module Weight (kg)      46.5        ENVIRONMENTAL      46.5        Operating Temperature Range      +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius        Storage Temperature Range      +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius        Relative Humidity      0 to 95%, non-condensing        AC Mode BTU / Hr. (Full Load)      223        Battery Mode BTU / Hr. (Full Load)      650        AC Mode Efficiency Rating (100% Load)      94%        Operating Elevation (ht.)      0-3000M (0-10,000 Ft)        Audible Noise      45 dBA maximum, front side 1m        Operating Elevation (m)      0 - 3000 m        COMMUNICATIONS      Supports detailed monitoring of UPS and site power conditions        PowerAlert Software      For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert        Communications Cable      USB cabling included        WatchDog Compatibility      Supports Watchdog application, OS and hard-reboot restart options for remote applications	[	
Deprom Weight (bs.)      52.80        UPS Housing Material      Steel        UPS Power Module Dimensions      8.76 x 43.94 x 34.18        UPS Power Module Dimensions      3.45 x 17.3 x 13.45        UPS Power Module Weight (bs.)      21.09        UPS Power Module Weight (bs.)      46.5        ENVIRONMENTAL      Operating Temperature Range      452 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius        Storage Temperature Range      452 to +104 degrees Fahrenheit / 15 to +50 degrees Celsius      80        Storage Temperature Range      452 to +104 degrees Fahrenheit / 15 to +50 degrees Celsius      80        Rolative Humidity      0 to 95%, non-condensing      60        AC Mode BTU /Hr. (Full Load)      223      80        Battery Mode BTU /Hr. (Full Load)      650      64        Conded Efficiency Rating (100%      94%      640        Operating Elevation (ft.)      0-3000 m      0-3000 m        Communications (ft.)      0-3000 m      0-3000 m        Communications Cable      USB achling included      94        Watch Konitoring Pott Description      Supports detailed monitoring of UPS and site power conditions        PowerAlett Software      For conal monitoring via the UPS	Shipping Dimensions (hwd / in.)	8.70 x 20.00 x 23.40
UPS Housing Material      Skeel        UPS power Module Dimensions (hed, cm)      8,76 x 43.94 x 34.16        UPS Power Module Dimensions (hed, cm)      3.45 x 17.3 x 13.45        UPS Power Module Weight (kg)      21.09        UPS Power Module Weight (kg)      46.5        ENVIRONMENTAL	Shipping Weight (kg)	23.95
UPS Power Module Dimensions (Ind. cm)  8.76 x 43.84 x 34.16    UPS Power Module Dimensions (Ind. n)  3.45 x 17.3 x 13.45    UPS Power Module Weight (kg)  21.00    UPS Power Module Weight (kg)  46.5    ENVIRONMENTAL  Detraining Tamperature Range  432 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius    Storage Temperature Range  45 to +122 degrees Fahrenheit / 15 to +50 degrees Celsius    Acd Mode BTU / Hr. (Full Load)  223    Battery Module Elficiency Rating (100%)  94%    Acd Mode BTU / Hr. (Full Load)  550    Acd Mode BTU / Hr. (Full Load)  650    Acd Mode BTU / Hr. (Full Load)  650    Acd Mode Elficiency Rating (100%)  94%    Operating Elevation (h.)  0.3000 m    Communication (h.)  0.3000 m    Communications Cable  USB cabling included    Water/DQ Compatibility  Supports detailed monitoring of UPS and site power conditions    Per verk/kert Software  For local monitoring of uPS built-in communication ports, download PowerAlert Local software at this this://www.thisel.com/proversiteft    Communications Cable  USB cabling included    Water/DQ Compatibility  Supports Watchding application, OS and hard-reboot restart options for remote applications    Network Management Card  Des softalse FeD (emergency power off); USB (HID enabled)    Communications Int	Shipping Weight (lbs.)	52.80
(Inv.d., m)      6.76 X #3.94 X.94.16        UPS Power Module Dimensional      3.46 x 17.3 x 13.45        UPS Power Module Weight (kg)      21.09        UPS Power Module Weight (kg)      46.5        ENVIRONMENTAL      46.5        Operating Temperature Range      +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius        Storage Temperature Range      +5 to +122 degrees Fahrenheit / 15 to +50 degrees Celsius        Relative Humidity      0 to 95%, non-condensing        AC Mode BTU / Hr. (Full Load)      223        Battery Mode BTU / Hr. (Full Load)      650        Co Mode BTU / Hr. (Full Load)      64%        Operating Elevation (ht)      0.3000M (0-10.000 FI)        Audible Nolse      45 dBA maximum, front side 1m        Operating Elevation (ht)      0.3000M (0-10.000 FI)        Audible Nolse      45 dBA maximum, front side 1m        Operating Elevation (ht)      0.3000 m        Operating Elevation (ht)      0.3000 m        Operating Elevation (ht)      0.3000 m        Operating Elevation (ht)      0.9000 m        Operating Elevation (ht)      USB cabling included        Vestork Kontoring Port Description      Supports Watchdg application, OS and hard-reboort restat	UPS Housing Material	Steel
(m.d., in.)      345 X 17.3 X 15 43        UPS Power Module Weight (kg)      21.09        UPS Power Module Weight (kg)      46.5        ENVIRONMENTAL		8.76 x 43.94 x 34.16
UPS Power Module Weight (bs.)    46.5      ENVIRONMENTAL		3.45 x 17.3 x 13.45
ENVIRONMENTAL        Operating Temperature Range      +32 to +104 degrees Fahrenheit / 15 to +50 degrees Celsius        Storage Temperature Range      +5 to +122 degrees Fahrenheit / 15 to +50 degrees Celsius        Relative Humidity      0 to 95%, non-condensing        AC Mode BTU / Hr. (Full Load)      223        Battery Mode BTU / Hr. (Full Load)      650        AC Mode Efficiency Rating (100%      94%        Coll Coll      0-3000M (0-10,000 Ft)        Audible Noise      45 dBA maximum, front side 1m        Operating Elevation (m.)      0 - 3000 m        COMMUNICATIONS      Supports detailed monitoring of UPS and site power conditions        Power/Alert Software      For local monitoring via the UPS's built-in communication ports, download Power/Alert Local software at https://www.trippille.com/power/alert.        Power/Alert Software      Eor local monitoring via the UPS's built-in communication for remote applications        Network Monitaring Port Description      Supports Watchdog application, OS and hard-reboot restart options for remote applications        Network Management Card      NUT compatible. See the full list of Trip Lite NUT compatible UPS eystems at http://www.networkupstools.org/stable-hc.html?manufacturer=Tripp Life        Network Management Card      Network management not supported        Description      DeB Serial; EPO	UPS Power Module Weight (kg)	21.09
Operating Temperature Range      +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius        Storage Temperature Range      +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius        Relative Humidity      0 to 95%, non-condensing        AC Mode BTU / Hr. (Full Load)      223        Battery Mode BTU / Hr. (Full Load)      650        AC Mode Efficiency Rating (100%)      94%.        Operating Elevation (ft.)      0-3000M (0-10,000 Ft)        Audible Noise      45 dBA maximum, front side 1m        Operating Elevation (m)      0 - 3000 m        CommUNICATIONS      Supports detailed monitoring of UPS and site power conditions        PowerAlert Software      Supports detailed monitoring via the UPS's bulli-in communication ports, download PowerAlert Local software at https://www.intpilic.com/poweralert        Network Monitoring Port Description      Supports Watchdog application, OS and hard-reboot restart options for remote applications        Network UPS Tools Compatibility      Supports Watchdog application, OS and hard-reboot restart options for remote applications        Network Management Card      Network management not supported        Description      NuT compatible See the full list of Tripp Lite NUT compatible UPS systems at http://www.inetworkupstools.org/stable-hcl.html?manufacturer=Tripp Lite        Network Management Card      Network management not su	UPS Power Module Weight (lbs.)	46.5
Storage Temperature Range      +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius        Relative Humidity      0 to 95%, non-condensing        AC Mode BTU / Hr. (Full Load)      223        Battery Mode BTU / Hr. (Full Load)      650        AC Mode Efficiency Rating (100%      94%        Operating Elevation (tt.)      0-3000M (0-10,000 Ft)        Audible Noise      45 dBA maximum, front side 1m        Operating Elevation (m)      0 - 3000 m        COMMUNICATIONS      Supports detailed monitoring of UPS and site power conditions        PowerAlert Software      For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.itpplite.com/poweralert        Communications Cable      USB cabling included        WatchDog Compatibility      Supports Watchdog application, OS and hard-reboot restart options for remote applications        Network Management Card      Network management not supported        Description      Supported        UEP / BATTERY TRANSFER      Transfer Time        Transfer Time      5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)        Luke / Voltage Transfer to Battery      83	ENVIRONMENTAL	
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Battery Mode BTU / Hr. (Full Load)      650        AC Mode Efficiency Rating (100% Load)      94%        Operating Elevation (ft.)      0-3000M (0-10,000 Ft)        Audible Noise      45 dBA maximum, front side 1m        Operating Elevation (m)      0 - 3000 m        COMMUNICATIONS        Network Monitoring Port Description        Supports detailed monitoring of UPS and site power conditions        PowerAlert Software      For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert        Communications Cable      USB cabling included        WatchDog Compatibility      Supports Watchdog application, OS and hard-reboot restart options for remote applications        Network Management Card      DB9 Serial; EPO (emergency power off); USB (HID enabled)        LINE / BATTERY TRANSFER      Transfer Time        Transfer Time      5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)        Low Voltage Transfer to Battery      83        High Voltage Transfer to Battery      147	Relative Humidity	0 to 95%, non-condensing
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Laad)  54 / / / / / / / / / / / / / / / / / / /	Battery Mode BTU / Hr. (Full Load)	650
Audible Noise    45 dBA maximum, front side 1m      Operating Elevation (m)    0 - 3000 m      COMMUNICATIONS    Supports detailed monitoring of UPS and site power conditions      Power Alert Software    For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert      Communications Cable    USB cabling included      WatchDog Compatibility    Supports Watchdog application, OS and hard-reboot restart options for remote applications      Network MPS Tools Compatibility    NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite      Network Management Card    Network management not supported      Description    DB9 Serial; EPO (emergency power off); USB (HID enabled)      LINE / BATTERY TRANSFER    5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)      Low Voltage Transfer to Battery    83      High Voltage Transfer to Battery    147	AC Mode Efficiency Rating (100% Load)	94%
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Communications Cable    USB cabling included      WatchDog Compatibility    Supports Watchdog application, OS and hard-reboot restart options for remote applications      Network UPS Tools Compatibility    NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite      Network Management Card Description    Network management not supported      Communications Interface    DB9 Serial; EPO (emergency power off); USB (HID enabled)      LINE / BATTERY TRANSFER    Transfer Time      S milliseconds (AC to battery), 1 milliseconds (Battery to AC)    83      High Voltage Transfer to Battery    83	Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
WatchDog Compatibility    Supports Watchdog application, OS and hard-reboot restart options for remote applications      Network UPS Tools Compatibility    NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite      Network Management Card    Network management not supported      Communications Interface    DB9 Serial; EPO (emergency power off); USB (HID enabled)      LINE / BATTERY TRANSFER    Transfer Time      Transfer Time    5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)      Low Voltage Transfer to Battery    83      High Voltage Transfer to Battery    147	PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert
Network UPS Tools Compatibility    NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite      Network Management Card    Network management not supported      Communications Interface    DB9 Serial; EPO (emergency power off); USB (HID enabled)      LINE / BATTERY TRANSFER      Transfer Time    5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)      Low Voltage Transfer to Battery    83      High Voltage Transfer to Battery    147	Communications Cable	USB cabling included
http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite      Network Management Card    Network management not supported      Communications Interface    DB9 Serial; EPO (emergency power off); USB (HID enabled)      LINE / BATTERY TRANSFER    Transfer Time      Transfer Time    5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)      Low Voltage Transfer to Battery    83      High Voltage Transfer to Battery    147	WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Description    Network management not supported      Communications Interface    DB9 Serial; EPO (emergency power off); USB (HID enabled)      LINE / BATTERY TRANSFER      Transfer Time    5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)      Low Voltage Transfer to Battery    83      High Voltage Transfer to Battery    147	Network UPS Tools Compatibility	NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite
LINE / BATTERY TRANSFER      Transfer Time    5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)      Low Voltage Transfer to Battery    83      High Voltage Transfer to Battery    147		Network management not supported
Transfer Time  5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)    Low Voltage Transfer to Battery  83    High Voltage Transfer to Battery  147	Communications Interface	DB9 Serial; EPO (emergency power off); USB (HID enabled)
Low Voltage Transfer to Battery Power (Setpoint)  83    High Voltage Transfer to Battery  147	LINE / BATTERY TRANSFER	
Power (Setpoint) 03 High Voltage Transfer to Battery 147	Transfer Time	5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)
High Voltage Transfer to Battery Power (Setpoint) 147	Low Voltage Transfer to Battery Power (Setpoint)	83
	High Voltage Transfer to Battery Power (Setpoint)	147



FEATURES & SPECIFICATIONS		
Grounding Lug	Back panel grounding lug	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported	
High Availability UPS Features	Automatic Voltage Regulation (AVR); Hot swappable batteries; Sine wave output; Surge/noise protection	
STANDARDS & COMPLIANCE		
UPS Certifications	Meets FCC Part 15 Category A (EMI); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)	
WARRANTY		
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: <a <br="" class="insuranceLink">href="//www.tripplite.com/support/product-warranty-registration"&gt;Registration is required</a> for 3-year warranty.	
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>	

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