



Bid Number 50 - 117134

Two year contract for the supply of an estimated quantity of UPS Model No:5PX1500RTN for Jefferson Parish Telecommunications.

August 4, 2016 AT 2:00 PM

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received in the Purchasing Department by the bid due date and time.

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Donna Reamey
Dreamey@Jeffparish.net
504-364-2684**

DATE: 7/19/2016

Page: 5

BID NO.: 50-00117134

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO ☒

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 8-4-2018

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

30 days ARO

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) 17555

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: FIRST COMMUNICATIONS CO.

ADDRESS: 819 Veterans Memorial Blvd.

CITY, STATE: Kenner, La. ZIP: 70062

TELEPHONE: (504) 464-1717 FAX: (504) 464-1799

EMAIL ADDRESS: Cory@firstcommunications.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 98,280⁰⁰

AUTHORIZED SIGNATURE: Cory Mack

TITLE: President

Cory MACK
Printed Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

DATE: 7/19/2016

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INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00117134

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	120.00	EA	<p>TWO YEAR CONTRACT FOR THE SUPPLY OF AN ESTIMATED QUANTITY OF UPS MODEL NO: 5PX1500RTN <i>Minuteman</i> <i>E1500RTXL2U</i></p> <p>0010 UPS Eaton Model No: 5PX1500RTN Specifications: AC 120 V Input Voltage Range AC 89-151 V Input Connector: Power NEMA 5-15P Line-Interactive High Frequency (Pure Sine Wave, Buck + Boost) Rack/Tower Color: Black</p> <p>Rail Kit Included Tower stands and 4-post Rail Kit Included 5PX1500RTN Four-post rail kit User Manuel CD Tower pedestals Network Card-MS Intelligent Power Software Suite CD Quick start guide RS-232 serial cable USB Cable</p> <p>Software Included: Eaton Intelligent Power Software Suite CD</p> <p>Min Operating Temperature: 32 FF Max Operating Temperature: 104F Humidity Range Opeating: 20-93% (non-condensing) Height: 3.4in. Depth: 20.6in. Width: 17.4in. Weight: 65 lbs. Limited Warranty 3 years</p> <p>Total price must include delivery to: Jefferson Parish Telecommunications Department 910 3rd Street Suite 2101 Gretna, LA 70053</p> <p>No less than 10 unit will be requested per order.</p>	<p><i>\$819⁰⁰</i></p> <p><i>includes shipping</i></p>	<p><i>\$98,280⁰⁰</i></p> <p><i>includes shipping</i></p>

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
FIRST COMMUNICATIONS COMPANY
INCORPORATED.

AT THE MEETING OF DIRECTORS OF First Communications Co.
INCORPORATED, DULY NOTICED AND HELD ON 7-27-16,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT CORY MACK, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

Diane Mack Klaire Mack
SECRETARY-TREASURER

7-27-16

DATE

Non-Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Cory
Thomas Mack, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized President of First Communications Company (Entity),
the party who submitted a bid in response to Bid Number _____, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required
attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including
the date and amount of each contribution, made to current or
former elected officials of the Parish of Jefferson by Entity,
Affiant, and/or officers, directors and owners, including
employees, owning 25% or more of the Entity during the two-year
period immediately preceding the date of this affidavit or the
current term of the elected official, whichever is greater. Further,
Entity, Affiant, and/or Entity Owners have not made any
contributions to or in support of current or former members of the
Jefferson Parish Council or the Jefferson Parish President through
or in the name of another person or legal entity, either directly or
indirectly.

Choice B X there are NO campaign contributions made which would require
disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are NO debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Cory Mack

Signature of Affiant

Cory Mack

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 27th DAY OF July, 2014

Donna M. Bechet

Notary Public

Donna M. Bechet

Printed Name of Notary

66212

Notary/Bar Roll Number



My commission expires my commission is for life

EnterprisePlus LCD™ Series Sine Wave UPS

Standard: E750RT2U / E1000RT2U / E1500RT2U / E2000RT2U / E3000RT2U
Extended: E750RTXL2U / E1000RTXL2U / E1500RTXL2U / E2000RTXL2U / E3000RTXL2U

Power & Versatility - Enhanced

The latest in Minuteman's popular Enterprise Series, the EnterprisePlus LCD offers users more of what has made the series one of our best selling lines. New features include lower cost standard runtime models, an informative LCD Display, and additional outlets vs. previous models.

Pure Power for Sensitive Equipment

The EnterprisePlus LCD Series of UPSs offer complete protection from all electrical problems, including spikes, surges, sags, brownouts, and blackouts, in a versatile rack/tower convertible format. True sine wave electrical output ensures the best power for sensitive electronic equipment.

Upgraded Features

The EnterprisePlus LCD features many upgrades from previous generations, including an LCD status display which shows the following:

- Input / Output voltage and frequency
- UPS and battery mode / status
- Load capacity
- Estimated runtime based on connected load
- Error codes

In addition to the LCD display, EnterprisePlus LCD models offer users their choice of runtime:

- **Standard Runtime models (RT2U)** utilize only internal batteries and are available at a lower cost
- **Extended Runtime models (RTXL2U)** feature the ability to add external battery packs for greatly increased runtimes

Features

- **0.8 & greater power factor** - get increased capacity without migrating to larger models
- **Load shedding** - three power banks (2 switchable, 1 always-on for critical loads) allow equipment prioritizing for increased runtime
- **Independent Battery Bypass™** - provides voltage regulation with surge and spike protection even when batteries are weak or dead.
- **Virtually unlimited runtime with XL Models** - no limitation on the number of external battery packs
- **Alarm silence button on front panel**
- **Flexibility in installation** - rack or tower configurable; optional wallmount kits available
- **Small form factor** - 3.5-inch (2U) rack/tower case

Capacity

- ☐ Small ☒ Midsize ☒ Enterprise level

Applications

- ☒ Workstations ☒ Network/Server ☒ Phone & Security Systems

- **Independent battery pack chargers** - reduces battery recharge times for XL Models
- **Simultaneous DB-9, USB and SNMP communications**
- **Minuteman® SentryHD™** - UPS monitoring and control software included
- **Easy to read LCD display** - with load/battery meter
- **Industry leading product protection** - with 3-year non-prorated warranty (including batteries)
- **Dedicated remote Emergency Power Off (EPO) port**
- **120V & 208V** - 208V models available (1500 & 3000VA models)
- **RoHS 2 & Energy Star compliant models**

Go Green - RoHS 2 & Energy Star Compliant

In accordance with Minuteman's focus on environmental responsibility, EnterprisePlus LCD models were designed to meet the following standards:

- **RoHS 2:** compliant with the updated directive as defined by the European Economic Union for the reduction of hazardous substances in electronic equipment: 2011/65/EU
- **Energy Star®:** to maximize energy savings, select models meet EPA's Energy Star's efficiency standards



Guaranteed Reliability

- **3-year standard warranty** covering all parts and labor, as well as non-prorated coverage of batteries
- **5-year extended warranty plans** available
- **Platinum Protection Plan®** insures properly connected equipment up to \$100,000 (U.S. 48 & Canada only)



EnterprisePlus LCD™ UPS Models & Specifications

Note: specifications are the same for standard (RT2U) and extended runtime (RTXL2U) models except XL external battery packs

MODELS:	STANDARD RUNTIME EXTENDED RUNTIME 208V	E750RT2U E750RTXL2U	E1000RT2U E1000RTXL2U	E1500RT2U E1500RTXL2U (E1500RTXL2U)	E2000RT2U E2000RTXL2U	E3000RT2U E3000RTXL2U (E3000RTXL2U)
Maximum Power Capacity (VA/Watts)		750/600	1000/800	1500/1200	2000/1760	3000/2560
Topology		Line Interactive, True Sine Wave Uninterruptible Power Supply				
Power Factor		0.8	0.8	0.8	0.88	0.853
Battery and Surge Protected Receptacles		8 - 5-15R	8 - 5-15R	8 - 5-15R (6 - 6-15R)	8 - 5-15/20R, 1 - L5-20R	7 - 5-15/20R, 1 - L5-30R (6 - 6-15/20R, 1 - L6-30R)
Input Connection (with 10 ft power cord)		5-15P	5-15P	5-15P (6-15P)	5-20P	L5-30P (L6-30P)
Mounting/Installation		Rackmount/Tower and Wallmount				
Input						
Number of Phases		Single (1Ø 2W +G)				
Nominal Voltage•Voltage Range		120VAC (208VAC) • 80-164VAC (150-271VAC)				
Frequency Range		50/60Hz +/-6Hz Autosensing				
Acceptable Input Voltage		0-165VAC (0-300VAC)				
Low Voltage Transfer Point		80V (150V) resets to utility power at 85V (157V) or higher				
High Voltage Transfer Point		164V (271V) resets to utility power at 159V (264V) or lower				
Input Protection		Resettable circuit breaker				
Output Non-battery Operation						
Voltage Range • Voltage Regulation		120VAC: 101-136VAC • -15.8% to 11.7% (208VAC: 186-236VAC) / -10.6% to +13.5%				
Frequency Range • Efficiency (Line Mode)		60Hz/50Hz ±6Hz • >93% at full load		60Hz/50Hz ±6Hz • >97% at full load		
Output Battery Operation						
Nominal Voltage		120/125VAC (208/240VAC)				
Voltage Regulation		120VAC (208VAC) ±5% until low battery warning				
Frequency		±0.1Hz unless synchronized to line				
Voltage THD		<5% at full rated linear load / <12% at full rated non-linear load				
Dynamic Response • Transfer Time		±10% @ 100% Load change in 30 ms				
Waveform		True Sine wave				
Overload capacity		110% for 20 seconds, 125% for 10 seconds, 150% shutdown immediately				
Protection		Over current, Short circuit protection and Latching shutdown				
Battery System						
Battery Type		Sealed, non-spillable, maintenance free, value regulated lead acid				
Typical Recharge Time		8 hours from total discharge to 90%				
Typical Battery Life		3-5 years, depending on discharge cycles and ambient temperature				
System Voltage		36VDC	36VDC	36VDC	72VDC	72VDC
Battery Module		BM0029	BM0029	BM0030	BM0031	BM0032
Runtime: Half •Full Load (minutes)		17 • 8	15 • 5	11 • 4	13 • 5	8 • 3
Surge Protection and Filtering						
Surge Energy Rating (Joules)		1000J (800J)				
Surge Current Capability		6500Amps total				
Surge Response time		Ons(instantaneous) normal mode: <5 ns common mode				
Noise Filter		normal and common mode EMI/RFI suppression				
Audible Noise at 1 m (3 ft.)		<45dBA	<45dBA	<45dBA	<60dBA	<60dBA
Environmental						
Temperature: Operating • Storage		+32° to +104°F (0° to 40°C) • +5° to +113°F (-15° to +45°C)				
Humidity: Operating/Storage		95% non-condensing				
Elevation: Operating•Storage		0 to 10,000ft. (0 to 3,000m) • 0 to 50,000ft. (0 to 15,000 m)				
Physical						
Size: Net (L x W x H) in (mm)		17.4 x 19.0 x 3.5 in (442.0 x 482.6 x 89.0 mm)			24.0 x 19.0 x 3.5 in (610.0 x 482.6 x 89.0 mm)	
Size: Shipping (L x W x H) in (mm)		23.6 x 21.7 x 9.1 in (600.0 x 551.0 x 230.0 mm)			39.4 x 23.6 x 9.1 in (1000.0 x 600.0 x 230.0 mm)	
Weight: Net		41.2 lb (18.7 kg)	44.1 lb (20.0 kg)	72.1 lb (32.7 kg)	78.0 lb (35.4 kg)	
Shipping		49.8 lb (22.6 kg)	52.7 lb (23.9 kg)	88.2 lb (40.0 kg)	93.7 lb (42.5 kg)	
External Battery Packs (XL EXTENDED RUNTIME MODELS ONLY)						
Battery Pack		BP36RTXL	BP36RTXL	BP36RTXL	BP72RTXL	BP72RTXL
Typical Recharge Time		8 hours to 90% after full load discharge				
Size: Net (L x W x H)		17.0 x 19.0 x 3.5 in (432.0 x 482.6 x 89.0 mm)				
Size: Shipping (L x W x H)		23.6 x 21.7 x 9.1 in (600.0 x 551.0 x 230.0 mm)				
Weight: Net • Shipping lb (kg)		56.0 lb (25.4 kg) • 66.1 lb (30.0 kg)				
Regulatory Compliance (UPS and Battery Packs)						
Safety and Approvals		RoHS2 Directive 2011/65/EU, cUL, CE, FCC Class B				
Energy Star Certification		1500, 2000, 3000VA Models Only				
Warranty • Platinum Protection		Three-years parts, labor, & battery (non-prorated); 5-year extended plans available • \$100,000				

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PN-34000470 - 5-13

www.minutemanups.com | www.sizemyups.com

More Models to Maximize Your Value

Minuteman's EnterprisePlus LCD Series UPSs come in standard and extended runtime, giving you the best value for your needs.

Standard runtime models (RT2U) feature the same specifications and power output properties without extended runtime capability.

Extended runtime models (RTL2U) add optional XL and EXL battery packs to increase runtimes dramatically. 208V also available.

- **Standard Runtime:**
E750RT2U, E1000RT2U, E1500RT2U, E2000RT2U, E3000RT2U
- **Extended Runtime (XL):**
E750RTL2U, E1000RTL2U, E1500RTL2U, E2000RTL2U, E3000RTL2U
- **208V (T):**
E1500RTL2U, E3000RTL2U

Electrical Characteristics

Output Power Factor

All EnterprisePlus LCD models feature a 0.8 or greater power factor, which increases the watt capacity of the units. Offering larger capacities in smaller UPS VA sizes reduces the overall cost of the UPS solution for a specific load requirement.

Output Voltage

All units in the EnterprisePlus LCD Series produce an electrical signal that does not vary from nominal voltage by more than 5%. Tightly regulating the output voltage increases the quality of power to connected equipment adding to its life expectancy, which lowers the total cost of ownership to users.

Total Harmonic Distortion (THD)

THD is the distortion of a normal AC electrical signal commonly caused when UPS connected loads near the capacity of the units. This distortion can cause internal heat to build up on sensitive equipment not designed to allow for these altered AC signals. The EnterprisePlus LCD UPS maintains an output AC signal, at all times and with linear loads, within 2% of a true sine wave.

Output Receptacle Control

Three banks of receptacles (one always-on for critical devices, two controllable via SentryHD™ and an SNMP card) allow users to increase runtime for more critical devices during an extended blackout.

Through the use of Minuteman's SentryHD software or communication with the UPS through an Ethernet connection, users can either turn on, off, or reset each segment independently. By reducing the connected load draw on the UPS, the runtime of critical devices can be extended significantly.

Communication Features

The EnterprisePlus LCD UPS provides users with the ability to communicate with the UPS simultaneously through three separate protocols: RS-232, USB and Ethernet. Users can directly connect and manage the UPS from multiple stand-alone, or networked computers. The UPS can provide detailed monitoring and management to many various environments.

Other Features

RoHS 2 Compliance

Para Systems developed the EnterprisePlus LCD Series to be compliant with the updated RoHS2 Directive as defined by the European Economic Union directive on the reduction of hazardous substances in electronic equipment: 2011/65/EU.

Energy Star Certified

As a participant in the EPA's Energy Star program, Para Systems developed the EnterprisePlus LCD Series¹ to meet the highest efficiency standards possible in order to maximize the saving of user's energy consumption.

Manual and Automatic Self-Testing

The EnterprisePlus LCD UPS is designed to proactively notify users of any impending faults or failures with the UPS. This allows for preemptive repair or replacement of components or batteries preventing unexpected downtime caused by the UPS.

Dedicated EPO Port

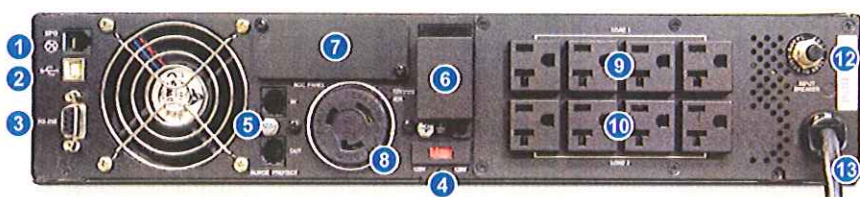
This direct access port allows users to perform an immediate remote shutdown of the UPS in cases of emergency or when access to the UPS is restricted or inconvenient.

¹1500, 2000, and 3000VA models only

Rear View of E750RTL2U



Rear View of E2000RTL2U



- 1 Remote EPO Connection
- 2 USB Comm. Port
- 3 RS-232 Comm. Port
- 4 Output Voltage Dipswitch
- 5 Network/Phone Surge Protection
- 6 External Battery Connection
- 7 SNMP Option Slot
- 8 L5-20R 20 Amp Locking Output¹
- 9 Output Receptacles (Load 1)
- 10 Output Receptacles (Load 2)
- 11 Output Receptacles (Load 3)²
- 12 Input Circuit Breaker
- 13 10 ft. Power Cord

¹2000VA Model Only, L5-30R on 3000VA

²750, 1000, & 1500VA Models Only

Battery Characteristics

Extended Runtime Capability

All Extended Runtime (RTXL) models of the EnterprisePlus LCD UPS come standard with internal batteries. To protect critical devices through extended blackouts, the EnterprisePlus LCD UPS Series utilizes external battery packs that can be daisy-chained in unlimited quantities to provide a virtual unlimited amount of battery runtime.

Fast Battery Recharge (XL Battery Packs only)

With independent chargers in each battery pack offered for the EnterprisePlus LCD UPS Series, the maximum recharge time for depleted batteries is 8 hours, no matter how many battery packs are installed on a UPS. Without these chargers, battery charging could take more than an entire day if more than one battery pack is used.

Battery Pack Models

Because each UPS has different battery requirements to support its maximum load capacity, the EnterprisePlus LCD Series uses battery packs sized to match each UPS model:

- E750RTXL2U - BP36RTXL
- E2000RTXL2U - BP72RTXL
- E1000RTXL2U - BP36RTXL
- E3000RTXL2U - BP72RTXL
- E1500RTXL2U - BP36RTXL



Battery Technology

All EnterprisePlus LCD units and battery packs use valve-regulated lead-acid batteries (VRLA). These are safe for any type of freight transport. For added protection, all EnterprisePlus LCD UPS models ship with batteries disconnected. A "Quick Installation Guide" is included in each EnterprisePlus LCD box to detail how to connect the batteries before turning on the units.

Hot-Swappable Batteries

The EnterprisePlus LCD UPS offers battery replacement, through the front panel of the UPS, without having to remove the UPS from service. Connected loads are protected from voltage anomalies and spikes and surges while the batteries are being replaced.

SentryHD™ Management Software Included

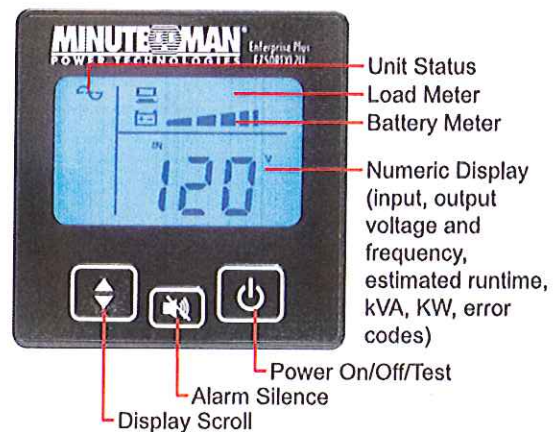
Minuteman's SentryHD™ UPS monitoring and control software comes included with each EnterprisePlus LCD UPS unit at no extra charge. With SentryHD™ software, users can monitor and control any new, and most legacy, Minuteman UPS products on a connected network from one application session. The ease of installation, ease of use, and backward compatibility makes it the best software of its kind.

- Support for 32/64-bit operating systems (Compatible with Windows (XP, 2003, 2008 Server, Vista, 7 and 8) and Linux operating systems.
- Batch configuration
- SNMP, (v1, v2c, v3), trap support
- Combined with Minuteman's MM Shutdown Agent, can control up to 255 devices
- Supports scheduled UPS shutdown, restart and battery testing
- Send e-mail and SMS alarm notices
- Supports both RS232 and USB communication protocols
- Supports web browser access through HTTP and HTTPS

New LCD Front Panel Display

EnterprisePlus LCD UPS products now feature an informative LCD display. This display offers real-time feedback on the following areas:

- Input / Output Voltage and Frequency Display to monitor the status of your utility power
- UPS Battery Mode/Status Icons which eliminates guesswork with a straightforward display of the UPS status
- Load Capacity Indicator displays how much of a connected load is being placed on the unit
- Numeric Estimated Runtime Display which is based on the connected load to indicate how much backup time remains during a blackout



Minuteman Support

- **Minutemanups.com** - Full product specifications, manuals, catalogs, FAQs, troubleshooting, & more
- **SizeMyUPS.com** - Easy-to-use interactive UPS sizing site offering an extensive database of equipment power ratings to guarantee proper UPS selection for your system

