

## Empire Series

### 350-900VA Standby, Wall-Mountable UPS

The Minuteman Empire Series UPS is a low-cost, high performance UPS line that provides the features needed to protect your valuable equipment. The EN350 and EN550 units each have eight outlets, four provide battery support along with spike and surge protection and four with spike and surge protection only.

The EN750LCD and EN900LCD each have five of the outlets described above for total protection of up to ten connected devices. In addition, all units have outlets which are specifically spaced to support transformer blocks.



[Specs, video, & more at minutemanups.com/empire](http://minutemanups.com/empire)

#### Key Product Line Features



**LCD Status Display**  
For 750 and 900 models



**SentryHD Software Compatible**  
Monitor & manage (except 350 model)



**Wall-Mountable**  
Units feature wall-mount holes



**3-yr Electronics Warranty**  
2-yr non-prorated battery

#### Applications



**Communications**  
Workstations, Small Phone Systems



**Security**  
Midsize DVR, Acc Ctrl, Intrusion



**IT/Network**  
Switches, Hubs, Access Points

#### Capacity:

Sm Med Lrg

## Trouble-free Setup & Monitoring LCD Display & Easy-access Battery

### LCD Control Panel (for 750VA and 900VA models)

Monitor your power with Empire LCD's control panel.

- |                           |                         |
|---------------------------|-------------------------|
| 1 Unit Status Indicator   | 4 Display Scroll Button |
| 2 Load and Battery Meters | 5 Alarm Silence Button  |
| 3 Numeric Display         | 6 On/Off Button         |



## Key Features

- Economical Standby Protection Hardware**  
Cost-effective surge and backup protection for small loads
- Versatile Connection Options**  
8 (350 and 550) or 10 (750 and 900) outlets to ensure a connection for all of your devices
- Compact, Wall-Mountable Case**
- Tool-less, Hot-Swappable Battery Replacement**
- USB Communications (HID Compliant)**  
Empire UPS USB connections are automatically recognized by Microsoft Windows (550/750/900 models)
- Single Line Phone / Fax / Modem Protection**  
The Empire UPS provides a low cost means of protecting telephone/fax/modem lines
- Independent Battery Bypass**  
Provides surge and spike protection, even when batteries are weak or dead

### Tool-less Battery Panel

Setup and maintenance are a breeze with Empire LCD's tool-less battery panel and large, easy-grip battery connector. Simply slide the panel out to access the battery for initial connection or battery maintenance.



#### Features on 750VA and 900VA Models:

- Easy to Read LCD Display**  
Real-time updates on system and power status, estimated runtime remaining based on attached load
- Green Mode**  
Lower power consumption mode during off-time
- Coax Protection**  
Protect coaxial cable for AV equipment from damaging spikes and surges
- Industry Leading Product Protection**  
Standard 3-year parts and labor warranty with 2-year non-prorated battery coverage; \$50,000 Platinum Protection Plan (US and Canada)
- ECO Mode on EN900LCD**



EN550

EN900LCD

- |   |                    |
|---|--------------------|
| 1 Battery and Surge Receptacles (4 / 5) | 5 Coax Surge       |
| 2 Surge-only Receptacles (4 / 5)        | 6 Input Power Cord |
| 3 Network/Phone Surge Protection        | 7 Input Breaker    |
| 4 USB Comm. Port (550/750/900)          |                    |



# Enspire Series Specifications & Features

EN350 / EN550 / EN750LCD / EN900LCD

	Model Number	EN350	EN550	EN750LCD	EN900LCD
General	Apparent Output Power	350VA	550VA	750VA	900VA
	Active Output Power	200 Watts	300 Watts	450 Watts	500 Watts
	Power Factor	0.571	0.545	0.6	0.556
	Topology	Standby UPS			
	Type	Low-Profile Office Format			
	Agency Approvals	cTUVus (conforms to UL1778 5th Edition, CSA 22.2 no 107.314 / R: 2014), CE, FCC Class B, U.S. DOE Energy Star			
	Green Compliance	RoHS 2 Directive 2011/65/EU			
	Warranty	3-years Electronics / 2-years Batteries			
	Equipment Protection Policy	Up to \$50k (Continental U.S. and Canada only)			
	Battery/Surge-Protected Outlets	(4) NEMA 5-15R		(5) NEMA 5-15R	
Surge-only Protected Outlets	(4) NEMA 5-15R		(5) NEMA 5-15R		
Input	Voltage Range	95VAC to 140VAC			
	Frequency Range	60Hz ±6Hz			
	Typical Transfer Time	6 ms (max 10ms)			
	Surge Protection	>500 joules			
Output	Voltage Default	95VAC to 140VAC			
	Frequency	60Hz ±6Hz			
	Efficiency (AC-AC)	>95% at full-rated load (complies with Energy Star)			
On-Battery	Voltage	120VAC			
	Voltage Regulation	120VAC ±5% until low battery warning			
	Frequency	60Hz ±0.5Hz unless synchronized to line			
	Wave Form	Simulated sine wave			
Communications	Communications Port	USB (550/750/900 models only)			
	Audible Alarms	On Battery, Low Battery, Internal Fault, Overload, Weak/Bad/Disconnected Battery			
	Battery System	Full-Load Runtime (non-linear)	3 min.	3 min.	3 min.
Half-Load Runtime (non-linear)		12 min.	11 min.	11 min.	11 min.
Hot Swappable Batteries		Yes			
Internal Battery		Yes			
Battery Type		Sealed, non-spillable, maintenance-free, valve regulated lead acid			
Physical	Net Dimensions: D x W x H	12.4" x 5.1" x 3.7" (316 x 130 x 94 mm)		12.6" x 7.2" x 3.6" (320 x 183 x 92 mm)	
	Net Weight: lbs. (Kgs.)	6.2 (2.81)	6.4 (2.90)	7.7 (3.49)	8.4 (3.81)
	Shipping Dimensions: D x W x H	14.7" x 5.6" x 8.3" (373.4 x 142.2 x 210.8 mm)		15.0" x 5.6" x 10.4" (381.0 x 142.2 x 264.2 mm)	
	Shipping Weight: lbs. (Kgs.)	7 (3.18)		9 (4.08)	

## Feature-rich Design

- Compact case design
- LCD front panel display (EN750LCD, EN900LCD)
- USB communications (except EN350)
- Hot-swappable batteries
- Easy battery access
- RJ11/45 Network/Phone/Fax protection
- 3-year limited warranty (electronics) 2-year warranty (batteries)
- RoHS 2 compliant
- Energy Star certified
- Transformer-friendly receptacles
- DC startup capability
- Independent battery bypass
- Built-in self-diagnostics testing
- Audio & visual alarms
- ECO Mode (EN900LCD)

## Compatible with Minuteman SentryHD Management Software

- Automatically saves and shuts down unfinished applications
- Gracefully powers down your PC during extended blackouts
- Provides comprehensive monitoring capabilities
- Integrates into SNMP network (when connected to a computer via USB port)
- Free download at [minutemanups.com/sentryhd](http://minutemanups.com/sentryhd)
- Not supported by EN350

## LCD Display Provides Real-Time Information (750/900 models)

- UPS status and condition
- Battery capacity bar graph
- Estimated runtime AC and DC modes
- Load capacity bar graph
- Warning / Fault icons

## Complete Protection for:

- Desktop computers
- Standalone servers
- Network switches, hubs, and peripherals
- VoIP communications
- Telephone systems
- External computer accessories
- Security cameras and DVRs



## Para Systems, Inc.

1455 LeMay Drive  
Carrollton, TX 75007  
800.238.7272 • 972.446.7363  
[www.minutemanups.com](http://www.minutemanups.com) • [www.sizemyups.com](http://www.sizemyups.com)

© Copyright 2016, Para Systems, Inc. Product specifications are subject to change without notice. Minuteman, Platinum Protection Plan, are registered trademarks of Para Systems, Inc. Enspire and SentryHD are trademarks of Para Systems, Inc. All other trademarks are the property of their respective holders. All rights reserved.

Publication No. 34000518 (8-2016)