

# MINUTEMAN® ParaShield™ DC UPS Series



## ParaShield DC Series Key Features

### Designed to Support:

- Cable Telephony
- Wireless Local Loop (WLL)
- Fiber to the Home (FTTH)
- Fiber to the Curb (FTTC)
- Integrated Access Devices (IAD)
- Voice over IP Sets
- Voice over DSL

### ParaShield 1224 (12-volt Model)

### Easy, User-replaceable, Hot-swappable Battery

### Cold-start Capable

### Microprocessor-based, Intelligent Control

### Optional Extended Runtime

### Universal Input Voltage 87-264 VAC

### 3-Year Warranty for Internal Electronics

### 2-Year Warranty for Batteries

### Wallmount Capability

## DC Applications

Throughout the United States, educational, corporate, and residential users are shifting the technology base of their telephone, network and multimedia requirements to infrastructures that require the support of DC power solutions. MINUTEMAN® UPS, in a leading effort to support these shifts in technology requirements is introducing its first DC UPS product with all the features and support our customers have come to expect from our history of AC-powered UPS products.

## Protect Your Investment

The MINUTEMAN ParaShield™ Series offers a cost-effective solution to powering IP Telephony, Fiber-based communication, and other DC-based customer premise equipment (CPE). Within these high-bandwidth networks, ParaShield provides a local backup power solution at a significantly lower cost to the user than traditional CO-based UPS support devices. Locating the DC UPS indoors also dramatically reduces the cost of ownership by extending the lifetime of the hot-swappable batteries over traditional outdoor battery-based solutions.

## Emergency Battery Support

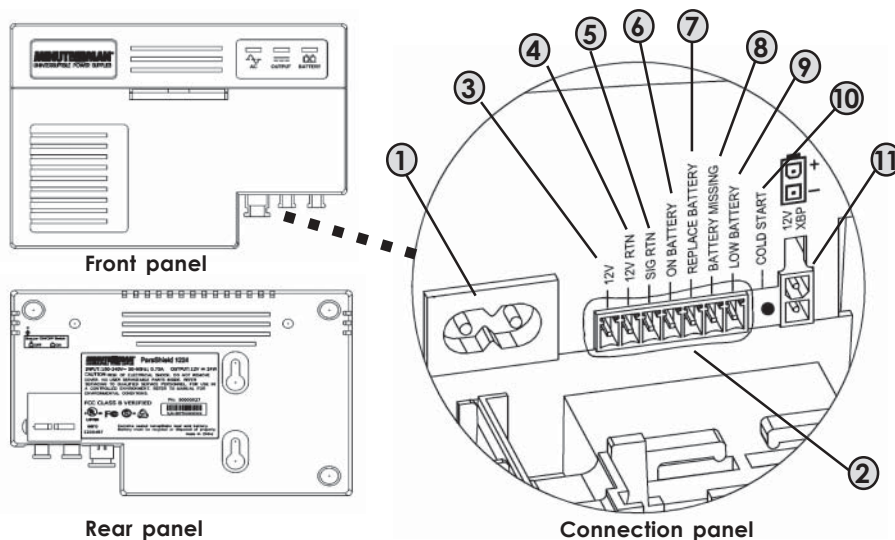
As industries adapt to IP-based Telephony and Fiber-based integrated access devices, providing power reliability during short, or extreme, blackout conditions is essential. Communication over these protocols will require power backup for emergency services. Without it users will not have access to emergency services or to any other outside communication until power is restored.

## Reliability - Guaranteed

MINUTEMAN® UPS products are backed by an unprecedented 3-year warranty that covers all electronics and 2-year warranty that covers batteries. The MINUTEMAN Platinum Protection Plan® insures properly connected equipment against damages for up to \$25,000.

# MINUTEMAN® ParaShield™ DC UPS Series

Model		ParaShield 1224
<b>Input</b>		
Voltage Range	85 – 264 VAC (Universal input)	
Frequency Range	47 – 70 Hz	
Power Cord	6 ft. with NEMA 5-15P plug included	
Lighting / Surge Protection	Yes	
<b>Output</b>		
On Battery Output Voltage	12 VDC nominal	
Continuous Power Capability	24 Watts	
Output Power Maximum	24 Watts	
Efficiency (at 75% Load)	> 75 %	
Output Connections	7-pin connector	
<b>Battery</b>		
Battery Type	Sealed, non-spillable, maintenance-free, lead-acid battery	
Battery System	(1)12V7.2AH	
Typical Recharge Time	18 Hours	
Replaceable	Yes	
<b>Warning Diagnostics</b>		
Indicator Lights	AC, output, battery	
<b>Management</b>		
Auto-Charge	Yes	
Communications Interface	On battery, replace battery, battery missing, low battery	
<b>Physical</b>		
Net Dimensions H x W x D	6.6 x 9.4 x 3.2" (16.7x 24 x 8.1 cm)	
Net Weight lbs. (kg)	7.2 lbs. (3.28 kg)	
<b>Environment</b>		
Operating Temperature	32° – 104° F (0° – 40° C)	
Operating Humidity	0 – 95% non-condensing within enclosure	
Max Operating Elevation	10,000 ft. (3,000 m)	
Max Storage Elevation	50,000 ft. (15,000 m)	
Storage Temperature	5° – 113° F (-15° – 45° C)	



## Physical Connections

- 1) AC power inlet
- 2) 7-pin connection (Items 3 thru 9)
- 3) 12V positive voltage output
- 4) 12V return
- 5) Signal return
- 6) On battery signal
- 7) Replace battery signal
- 8) Battery missing signal
- 9) Low battery signal
- 10) Cold start button
- 11) External battery connection



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