



Powerful Protection

- ▶ Designed for:
 - Telephone key systems
 - Computer workstations
 - Networked servers
 - Power-sensitive electronic devices
- ▶ Intelligent Microprocessor
- ▶ Line-Interactive Topology
- ▶ Surge-Only Receptacle
- ▶ Fax/Modem/Data Protection
- ▶ Automatic Voltage Regulation
- ▶ SNMP-Ready
- ▶ Hot Swappable Batteries
- ▶ Includes MINUTEMAN SentryII™ Power Management and Diagnostic Software
- ▶ 3-Year Warranty
- ▶ \$35,000 MINUTEMAN Platinum Protection Plan[®] (U.S. and Canada)

a line-interactive UPS for complete power protection

The MINUTEMAN Pro[™] Series of uninterruptible power supplies provides ideal power protection for a broad spectrum of electronic equipment. Built-in intelligent technology the units perfect for a wide variety of workstations, file servers, telephone key systems, and critical network devices. Available in sizes ranging from 320 to 1400 VA, the Pro Series is appropriate for protecting a single device or an entire network. The Pro 320 is ideal for supporting individual PC workstations, while the Pro 520 and Pro 700 have the capacity to protect graphical workstations, heavily configured PCs, and small servers. To support entire workgroups and multiple servers, choose the power and capacity of the Pro 1000 or Pro 1400.

Smart Protection for Power-Sensitive Devices

Each model offers many excellent features such as a surge-only receptacle for protection of external peripherals like a printer or scanner. The mid-sized Pro 320, Pro 520, and Pro 700 have been designed to handle larger equipment loads and provide longer runtimes than the competition. Each includes 4 receptacles (3 battery backup and 1 surge only). The slightly larger Pro 1000 and Pro 1400 models feature 6 receptacles (5 battery backup and 1 surge only). To better protect your equipment in all conditions, the Pro Series has the widest range of voltage regulation of any UPS in its class. This feature allows it to protect against the most common problem, brownouts, without using the battery. The models also include an outlet to protect phone or data lines. Other features include audible alarms, an alarm silencer, self-test button, advanced battery monitoring, hot-swappable batteries, site wiring fault indicator, and much more.

To add even more functionality to the Pro Series, each unit includes a copy of MINUTEMAN SentryII™ power management and diagnostic software. The package includes a CD with MINUTEMAN SentryII™ software versions for most major operating systems including multiple Windows, Linux, and UNIX variants with a communications cable. SentryII provides many helpful power management capabilities including warning and diagnostic tools, flexible event management, on-line help, scheduled shutdown and testing, remote management, and input load monitoring.

Reliability — Guaranteed

For peace of mind, the Pro Series is covered by a 3-year parts and labor warranty. However, since it has one of the lowest field failure rates in the industry, chances are you will never need it.

Pro™ Series Specifications

Note: 230V Specs Shown in ()	Pro 320 (Pro 320i)	Pro 520 (Pro 520i)	Pro 700 (Pro 700i)	Pro 1000 (Pro 1000i)	Pro 1400 (Pro 1400i)
Maximum Load - VA / Watts	320 / 208	520 / 338	700 / 455	1000 / 650	1400 / 910
Backup Receptacles	3 5-15R (3 IEC 320)	3 5-15R (3 IEC 320)	3 5-15R (3 IEC 320)	5 5-15R (5 IEC 320)	5 5-15R (5 IEC 320)
Surge Only Receptacles	1 5-15R (1 IEC 320)	1 5-15R (1 IEC 320)	1 5-15R (1 IEC 320)	1 5-15R (1 IEC 320)	1 5-15R (1 IEC 320)
Battery Type - Spill Proof, maintenance free	12V7AH		12V11AH	2 each 12V11AH	2 each 12V17AH
Acceptable Input Voltage	0 to 150 VAC (0 to 285 VAC)				
Input Voltage (On-line Operation)	85 to 152 VAC (170 to 285 VAC)				
Output Voltage (On-line Operation)	105 to 136 VAC (210 to 250 VAC)				
Nominal Input Frequency	50 or 60 Hz Auto-sensing				
Input Protection	Resettable Circuit Breaker				
Frequency Limits (On-line Operation)	± 1% Unless Synchronized to Line				
Transfer Time	2-6 ms				
On-battery Waveshape	Step simulated sinewave				
Protection	Overcurrent and short circuit protected, latching shutdown on overload				
Surge energy rating (one time, 10/1000ms waveform)	500 J (440 J)				
Surge response time	0 ns (instantaneous) normal mode; <5 ns common mode				
Noise filter	Normal and common mode EMI/RFI				
Typical Battery Life	3 to 6 years, depending on the number of discharge cycles and ambient temp				
Typical Recharge Time	2 to 5 hours from total discharge				
10 Base-T Surge Let-through	<5%				
Phone Line Surge Protection Let-through	<1%				
Operating Temperature	32 to 104 degrees F (0 to 40 degrees C)				
Storage Temperature	5 to 113 degrees F (-15 to 45 degrees C)				
Electromagnetic Immunity	IEC 801-2 level IV, 801-4 level IV, 801-5 level III				
Audible Noise at 3 ft. (1 m)	<45 dBA				
Safety and Approvals	UL 1778, CUL, CE EMC, CE Safety				
EMC Verification	FCC Part 15 Cat. B, DOC Class B, EN55022, EN50081-1, EN50082-1, Normal & Common mode EMI/RFI suppression, 100 kHz to 10 Mhz				
Input Line	NEMA 5-15P plug with 6ft cord (1.8 m IEC to IEC)				
MINUTEMAN SentryII™ Power Management Software	Software CD and communications cable included with each Pro Series model				
Software Communications Port	DB9, RS232				
Dimensions H x W x D	8.65 x 9.0 x 8.5 in (21.97 x 22.86 x 21.6 cm)			12.0 x 12.25 x 11.25 in (30.5 x 31.1 x 28.6 cm)	
Net Weight / Shipping Weight	15.4 / 18.0 lbs (7.0 / 8.2 kg)	16.6 / 19.0 lbs (7.39 / 8.6 kg)	22.2 / 25.0 lbs (10.1 / 11.4 kg)	39.2 / 43.0 lbs (17.8 / 19.6 kg)	53.48 / 57.0 lbs (24.3 / 25.9 kg)

Pro 700 Back View

Pro 700i Back View



SizeMyUPS.com

Need quick answers to your UPS questions? Visit our interactive UPS sizing guide on the Web to find the right product for your needs *fast*.

MINUTEMAN
UNINTERRUPTIBLE POWER SUPPLIES

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