



Line Interactive UPS

500 VA / 300 W

Protect critical equipment and data assets against power losses.

MANHATTAN® Line Interactive UPS systems protect computer and electronic equipment against power brownouts, blackouts, sags (undervoltages) and surges (overvoltages). Surge-only outlets offer protection for printers and other peripherals while reserving backup battery capacities for critical data processing and storage devices. Reliable battery backup maintains sufficient power to save work when power fails. Ideal for use in home or office with PC workstations, point-of-sale systems and other systems with lower power requirements.

Additional Security and Protection for Equipment

MANHATTAN protects properly connected equipment up to \$100,000 (U.S. and Canada only). Its heavy-duty batteries are warranted for three years.

Lifetime Warranty

Strict manufacturing standards ensure the highest quality in all MANHATTAN products. Line Interactive UPS products also carry a full Lifetime Warranty protecting materials and workmanship — the strongest quality commitment anyone can make.

Model
168120





NEMA model



IEC model

Model 168120

Features

- Advanced protection for PC and Macintosh systems against power outages, sags, surges and line noise
- Built-in microprocessor maintains proper charge, provides consistent power output and helps extend battery life
- Automatic voltage regulation (AVR), cold start capability and diagnostics
- 480 Joules telephone, fax and network surge protection
- Circuit breaker for overload and short-circuit protection
- LED and audible alert system and power management software help monitor critical functions
- \$100,000 connected equipment guarantee (U.S. and Canada only)
- Lifetime Warranty, UPS; Three-year Warranty, battery

Specifications

GENERAL AVAILABLE IN 120 V (NEMA) AND 220 V (IEC) MODELS

- Outlets: 3 NEMA (120 V), 3 backup + surge; 2 IEC (220 V), 2 back-up + surge
- Times: backup, 3 minutes at full load; 10 minutes at 50% load and 30 minutes at varying loads (typical with PC and 15" LCD monitor at 85 W); recharge, 8 hours typical (12 hours maximum); transfer time: 4 ms typical (10 ms maximum)
- Communications port: RS232 (120 V); RS232 (220 V)
- Telephone/fax/network ports: RJ-11/RJ-45 (1 in / 1 out), surge protected
- Nominal voltage: input, 100 V/110 V/120 V (220 V/230 V/240 V); output, 120 V (230 V)
- Voltage range: input, 96 V - 138 V (174 V - 262 V)
- Frequency range: input, 50/60 Hz +/- 5 Hz (auto sensing)
- Voltage regulation: output, +/- 5% (battery mode)
- Frequency regulation: output, 50/60 Hz +/- 1%
- Automatic voltage regulation (AVR): 120 V and 220 V models
- Waveform: simulated sine wave
- Overload protection: 110% warning and UPS shutoff after 10 seconds; 120% UPS turnoff at once
- Battery: capacity, 12 V / 7 Ah; type, sealed and maintenance-free (lead acid)
- Temperatures (°C): operation, 0 to 40; storage, -20 to 60
- Operation relative humidity: 0 to 95% (non-condensing)
- LED indicators: Online, Overload, On Battery and Bad Battery
- Audible alarms: Overload, On Battery, Low Battery

PACKAGE CONTENTS

- Line Interactive UPS, 500 VA / 300 W
- Power Management Software CD (Windows 98/SE/Me/2000/XP compatible)
- Cables, RS232, 6 ft. (1.8 m); telephone (RJ-11), 6 ft. (1.8 m); power cord, 6 ft. (1.8 m)
- User manual

For more information on MANHATTAN products, consult your local dealer or visit www.manhattan-products.com.



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