



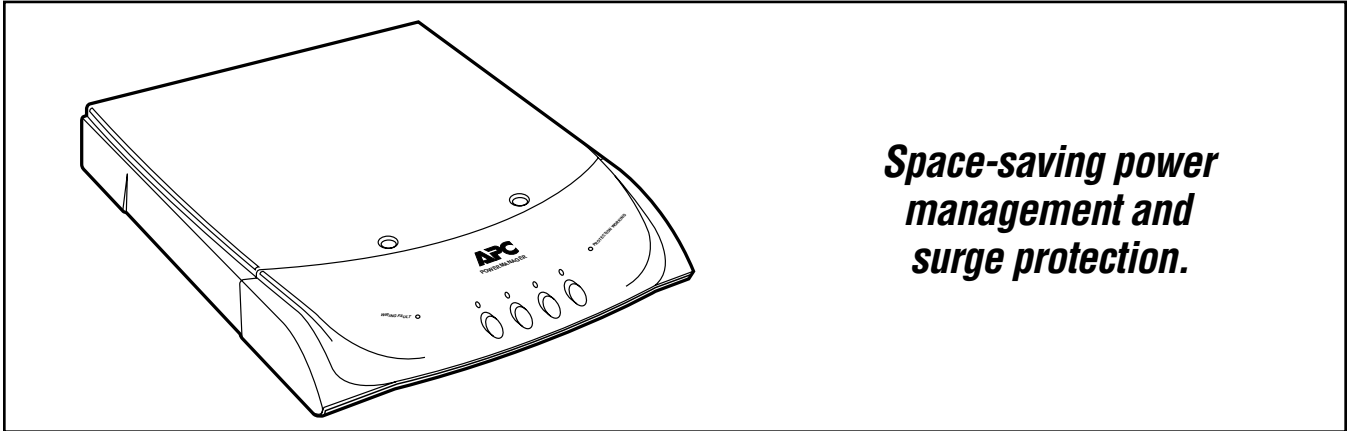
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Black Box Corporation.

BLACK BOX[®]

NETWORK SERVICES

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PowerManager



*Space-saving power
management and
surge protection.*

Key Features

- ▶ **All six AC outlets and the external phone jack are fully surge protected.**
- ▶ **Stores connected devices' power cords neatly out of your way.**
- ▶ **Included ID labels make it easy to identify switches.**
- ▶ **An included adapter cord accommodates devices with bulky transformers.**
- ▶ **Fits conveniently under your monitor.**
- ▶ **APC will repair or replace connected equipment if it's ever damaged by a surge or by lightning, up to \$100,000.**

The PowerManager from APC does more than just about any other power strip or plain-vanilla surge protector, and it's backed by one of the best guarantees in the industry. Its unique space-saving design and advanced power protection make it an ideal companion for any desktop computer.

Convenience

The PowerManager is designed to fit neatly under a computer monitor so it takes no extra desktop space and puts power control within easy reach. Convenient front-panel switches enable you to power your computer and peripherals individually or as an entire system. And touching any of the switches safely dissipates electrostatic charge.

The five switched AC outlets are inside the enclosure—just lift the top cover off to plug in your devices. This design makes it less likely that your equipment will be accidentally unplugged. There is

also enough space inside the PowerManager for you to coil and tangle lengths of the devices' power cords, out of sight and out of harm's way. If one of your devices has a large transformer that won't fit in the enclosure, you can plug it into the included adapter-outlet cord.

The PowerManager also has a side-mounted "convenience outlet" that's constantly on and easily accessible. Use it to temporarily plug in devices such as phone chargers and PDAs.

Power protection

The PowerManager provides UL[®] rated surge protection, with advanced noise filtering, and protection from nearby lightning strikes and everyday power surges that can cause hardware damage and data loss.

An MOV reacts instantaneously to power spikes caused by nearby lightning or other power problems. A thermal fuse shuts power off safely if a wiring fault is detected. If the surge

components are damaged due to power spike or overvoltage, excess power cannot reach your equipment and an indicator warns you that the PowerManager has been compromised.

Your voice or data line is protected, too, with two rear-panel RJ-45 jacks. Run the existing cable from your telephone, modem, or fax to the input connector, then run the included phone cable from the output connector to the wall jack.

Backed by APC

APC stands solidly behind the PowerManager. If it ever fails, or if the "Protection Working" LED ever lights to show you that the unit has sacrificed itself to stop a surge, APC will repair or replace the unit free of charge. APC will also repair or replace any devices that take surge damage while plugged into the PowerManager, up to a maximum of \$100,000.

Specifications

NOTE: All specifications are provided according to NEMA standard LS-1-1992. "NM" stands for "normal mode" (L-N); "CM" stands for "common mode" (L+N-G).

Compliance: FCC Part 15 Class B, DOC Class/MDC classe B; UL 1449 TVSS; UL 1283 EMI filter; UL 1363, UL 497A, CSA 22.2

Let-Through Voltage: IEEE 587 Cat. A Ring, NM¹: < 40 volts

EMI/RFI Filtering: 100 KHz to 10 MHz, NM²: 30 to 60 dB

UL 1449 TVSS Rating: 330 volts across all three lines (L-N, L-G, N-G)

Surge-Energy Capacity³: 480 joules

Peak Current⁴: 13 KA NM, 26 KA CM

NM Surge-Response Time: 0 ns (instantaneous)

User Controls:

- All w/ built-in ESD contacts:
- (1) Rear-mounted master-power toggle switch;
- (4) Front-mounted outlet-power pushbuttons:
- (3) Single-outlet, (1) double-outlet

Leads Supported:

RJ-45: Center four wires, to support one or two phone lines carried on a single cable

Fuses:

- (1) Electrical (for catastrophic surges);
- (1) Thermal (for wiring faults)

Interface: Phone: Modular telco

Connectors:

Electrical: (6) NEMA 5-15R: (5) Internal: Switched; (1) Side-mounted: Always on;
 Phone: (2) Rear-mounted RJ-45 female: (1) Line in, (1) Line out

Indicators:

(6) Front-mounted LEDs: (4) Outlet power, (1) Site-wiring fault, (1) Protection working

Power:

Input: 120 VAC, 50/60 Hz from AC outlet;
 Output: 120 VAC, 50/60 Hz; Maximum line current: 15 amps, continuous

Size: 1.7"H x 12.5"W x 14.6"D (4.3 x 31.8 x 37.1 cm)

Weight:

Net: 5.6 lb. (2.5 kg); Shipping: 6.8 lb. (3.1 kg)

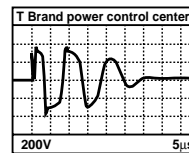
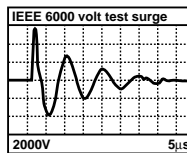
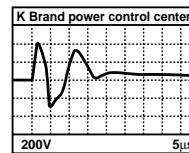
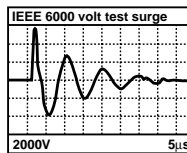
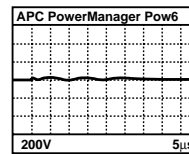
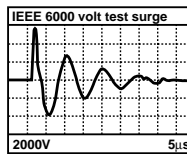
- 1 NM ±6-kV ANSI/IEEE C62.41 (587) Category A ringwave test.
- 2 NM rejection from 100 KHz to 10 MHz; tested using 50-ohm LISN, swept-frequency analyzer.
- 3 Total performance rated with one 10 x 100-µs pulse.
- 4 Performance rated with one 8 x 20-µs pulse.

Technically Speaking

Some power-protection companies make product comparisons based on the total number of joules of surge energy that surge protectors supposedly will or won't withstand. This can be measured in many ways, depends on a lot of variables, and (needless to say) is open to a lot of interpretation.

Surge-voltage let-through, on the other hand, is the only standard endorsed by the electronics industry for measuring the performance of surge protectors. The IEEE (Institute of Electrical and Electronic

Engineers) defines testing standards that simulate power surges common to the home and office environments. The sample oscilloscope readings below show how three different power-center devices perform on IEEE 587A let-through tests. Essentially, the tests show how much of a real spike or surge each device will let through to your valuable electronic equipment. As you can see, PowerManager outperforms its same-class competitors, delivering the lowest surge let-through rating and the best suppression!



PowerManager lets through less than 40V of the 6000V test surge to your electronic equipment, while...

...a competing brand lets through high levels—more than 370V of the test surge—to protected equipment, and...

...another competing brand lets through dangerously high levels—over 390V of the test surge—to equipment!

Ordering Information

ITEM

CODE

PowerManager.....POW6T-WHT