

MERIT SERIES



Features

M-10 Features

- ! 10 rear panel outlets
- ! Sturdy one rack space design
- ! 15 amp capacity with circuit breaker

M-8L Features

- ! Filtration of noise from radio frequencies and electromagnetic interference
- ! Standard level of surge suppression
- ! Dual pull-out rack lights with dimmer control
- ! 8 rear panel outlets
- ! Sturdy one rack space design
- ! 15 amp capacity with circuit breaker

M-8 Features

- ! Filtration of noise from radio frequencies and electromagnetic interference
- ! Standard level of surge suppression
- ! 8 rear panel outlets
- ! Sturdy one rack space design
- ! 15 amp capacity with circuit breaker

M-8D Features

- ! Filtration of noise from radio frequencies and electromagnetic interference
- ! Standard level of surge suppression
- ! Digital LED voltmeter to display incoming line voltage
- ! Dual pull-out rack lights with dimmer control
- ! 8 rear panel outlets
- ! Sturdy one rack space design
- ! 15 amp capacity with circuit breaker

Description

A Merit "M" Series Power Conditioner is the perfect low-cost AC power solution for any rack mount system. Install an M-8, M-8D, or M-8L in the top slot of your rack, and the eight switched AC outlets in the rear panel will power up and protect all your equipment up to a 15-amp load. The M-8L and M-8D feature two slide out, swiveling light fixtures to provide discreet illumination of your equipment on stages, in studios, and in other dark places. A dimmer knob lets you adjust the lamp brightness to just the right level. The M-8D adds a bright red, three-digit LED meter that displays incoming voltage. The M-8 and M-10 are designed for applications where lights are not required.

M-Series conditioners protect your delicate electronic equipment by combining high voltage varistor (MOV) surge and transient suppressors. The fast-acting suppression circuit quickly responds and clamps transient voltages to safe levels. An RFI/EMI interference filter works to prevent noise from fluorescent lights, certain dimmers, radio transmitters, and similar sources of "electronic pollution" from contaminating the AC line and from there, leaking into sensitive audio, video, or computer circuits. The M-8 and M-8L are NRTL/TUV listed.

The M-10 is a power distributor only and has no conditioning functions. However, its sturdy rack-mount design and 10 available outlets provide a convenient way to power a rack of equipment up to a 15 amp load.



M-8



M-8L



M-10



M-8D

MERIT SERIES



Rear of M-8, M-8L, M-8D



Rear of M-10

CIRCUIT BREAKER

For safety, a circuit breaker is provided on the rear panel (front panel on the M-10). If the total load on the Power Conditioner (combining all outlets) exceeds the 15A (or 1800 watt) limit, the circuit breaker will trip. If this happens, it may be easily reset by pushing in the button. There is no need to replace fuses.

LAMPS

For convenience in traveling, the lamps (if present) may be pushed in, safely out of the way. When the rack is again ready to use, they pull out easily (up to 2.75 inches, or 7 cm) and may be adjusted to provide optimum illumination for your equipment. The units come supplied with 5 watt night-light bulbs. Cooler-running 4 watt bulbs or even colored Christmas tree bulbs may be substituted, if desired. Replacements are readily available at most hardware stores or almost anywhere household light bulbs are sold, and can be ordered from Furman. Bulbs are easily replaced without removing the unit from the rack by unscrewing the cap on the end of each light tube.

SWITCHES

All models (except the M-10) have a convenient master switch for the rear outlets which glows when the power is on. In models with lighting, there is a separate "Rack Lights" switch for the lamps, plus a dimmer control knob which increases the lamps' brightness.

WARRANTY INFORMATION

The Merit Series Power Conditioners are protected by a limited one year warranty covering manufacturer defects. Warranty service is provided by Furman Sound, Inc. at the address below.

SPECIFICATIONS

- Current rating:
15 amps (1800 watts at 120 VAC)
- Line Cords:
6 ft. captive, 14 AWG, with 3-conductor Edison Plug
- Lamps (if present):
2 x 5 watts
- AC Voltmeter (if present):
Range 60 to 150 VAC; accuracy +/- 2 VAC
- Operating Voltage:
90 to 140 VAC
- Spike Protection Modes (M-8, M-8L, M-D):
Line to neutral
- Spike Clamping Voltage(M-8, M-8L, M-D):
188 Vpk @ 3,000 amps, (133 VAC RMS)
- Maximum surge current (M-8, M-8L, M-D):
4,500 amps
- Noise attenuation (M-8, M-8L, M-D):
Transverse mode: Greater than 20 dB, 1.5 to 200 MHz
- Mechanical:
Dimensions: 1.75" H x 19" W x 7.5" D.
Weight: 5 lbs (2.3 kg).
Construction: Steel chassis, black painted
- Power Consumption:
M-8, 0 watts
M-8L, 10 watts
M-8D, 10 watts
M-10, 0 watts
- Safety Agency Listings:
TUV, TUV-C