

MERIT X SERIES POWER CONDITIONERS

Furman's most affordable rackmount power conditioners provide eleven total outlets, standard level surge suppression, standard level EMI/RFI filtration, and a robust steel chassis.

M-10x E 10A Power Conditioner



Standard Level
Surge Protection



Standard Level
RFI/EMI Filtration



11 Outlets



10A Rating



Protection OK
Indicator

M-10Lx E 10A Power Conditioner



Standard Level
Surge Protection



Standard Level
RFI/EMI Filtration



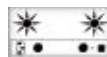
11 Outlets



10A Rating



Protection OK
Indicator



Front Panel
Retractable Lights

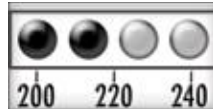
REAR PANEL (BOTH MODELS)



Merit X Series Specifications: **Maximum Output Current:** 10 Amps. **Line Cord:** 1.5 meter, removable, IEC C-13 female to Schuko male. **Lamps (M-10Lx E):** Two multi-LED, dimmable lamps. **Spike Protection Mode:** Fused MOV, Line to neutral. **Operating Voltage:** 230VAC 50 Hz. **Energy Dissipation:** 305 joules. **Peak Impulse Current:** 12,000 amps. **Noise Attenuation (Transverse Mode):** Greater than 20dB, 1.5Mhz to 200 Mhz. **Dimensions:** 44.45mm H x 482.6mm W x 190.5mm D. **Weight:** 2.3 kg. **Safety Agency:** CE. **Warranty:** Three Year.

**SERIES MULTI-STAGE PROTECTION (SMP)**

The SMP circuit is not simply designed to protect from a catastrophic surge, such as a lightning strike it is engineered to provide maximum life to connected equipment, but also offers protection from the dozens to hundreds of small spikes and surges your equipment is exposed to on a daily basis.

**LED VOLTMETER**

Segmented LED Voltage Meter. Indicates incoming voltage ranging 180V to 254V. The LED's are color coded (Red=Stop, Yellow=Caution, Green=Go) to inform users at a glance if voltage is within a nominal range.

**EXTREME VOLTAGE SHUTDOWN (EVS)**

Furman's EVS constantly monitors incoming voltage, and once any overvoltage condition over 275 volts AC is detected, a relay opens which immediately shuts down the unit and all connected equipment, the unit may be reset and will operate normally.

**DIGITAL VOLTMETER**

Laboratory-precision Digital Voltmeter displays incoming voltage

**LINEAR FILTERING TECHNOLOGY (LIFT)**

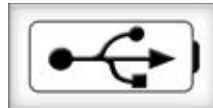
Furman's LIFT, differential is reduced linearly, across a very wide bandwidth, even extending into the video frequencies. This results in a lower noise floor for your audio system, improved picture on your video display, and protection corruption and losses caused by low-level differential AC noise fed into digital systems.

**DIGITAL VOLTMETER/AMMETER**

Switchable, dimmable digital meter displays incoming voltage, switchable to output current in amps. Display also features Protection OK, Extreme Voltage, and color-coded Voltage Range indicators for comprehensive power monitoring.

**TRUE RMS VOLTAGE REGULATION**

Furman's True RMS Voltage Regulation is designed around an ultra-low noise toroidal autoformer. A microprocessor within the regulator monitors the incoming RMS voltage with each cycle, measuring the phase angle in time with the advancing cycle.

**USB CHARGER**

Front-panel USB charger provides convenient charging outlet for most personal media devices and cell phones.

**POWER SEQUENCING**

Power sequencing is useful whenever various kind of equipment must be powered up or down in groups, rather than all simultaneously. In audio system, sequenced powering is often necessary to allow turn-on transients from low level amplifiers and processors to settle down before any power amps are turned on

**REAR PANEL BNC CONNECTOR**

Rear-panel BNC Connector allows connection of BNC gooseneck lamp for rear rack illumination.

**ISOLATED OUTLET BANKS**

Isolation of rear panel outlet banks provides further noise reduction at the point of use by eliminating electrical cross-talk, which can be particularly troublesome when analog and digital equipment is plugged into the same circuit.

**STANDARD LEVEL SURGE PROTECTION**

Standard level, MOV-based sacrificial surge protection.

**FRONT PANEL**

Furman's signature front panel retractable light provide convenient, discreet illumination to a rack full of equipment. Standard models include incandescent light. Advanced models feature long-lasting, cool running LED lights.

**STANDARD LEVEL EMI/RFI FILTRATION**

Standard level non-linear AC noise filtration.

**DIAGNOSTIC LIGHTS**

Diagnostic lights provide information regarding power quality and operational status of the Furman unit, including Protection OK indicator, Extreme Voltage indicator, and color-coded Voltage Range indicator (on select models).