



# ECM-20SH

## 20A Single Housing Power Conditioner and AC Spike Suppressor



ECM-20SH

### Specifications

Current Rating	20 Amps
Operating Voltage	102-132VAC
Minimum Spike Clamping Voltage	460 VRMS @ 3000A
Maximum Spike Clamping Voltage	6000V
Power Consumption	5 Watts
Power Requirements	120V 60Hz
Height	3.0" (76.2mm)
Width	8.5" (215.9mm)
Depth	3.5" (88.9mm)
Weight	5.5 lbs (2.49 kg)
Certifications	MET (UL 1449)
UL Listed/Standard	813, 2043

### Architect and Engineer Specifications

Power conditioner shall be Atlas Sound model ECM-20SH. Power conditioner shall have 2 outlets. Power conditioner shall include Radio Frequency and Electromagnetic filtering to reduce noise in AC lines and AC surge and spike protection technology. Power conditioner shall have fuse protection at 20A and shall use a slow blow style fuse. Power conditioner shall have a manual bypass switch and LEDs indicating Incoming AC, Active, and AC Fault. When used in conjunction with Atlas Sound ECS-6RM or ECS-3, power conditioner shall be able to automatically shut down outlets during Extreme Voltage events when the voltage is above 132VAC or below 102VAC. Power conditioner shall include mounting hardware for mounting to walls or other solid surface. Finish shall be textured black epoxy and dimensions shall be 8.5"W x 3.5"D x 3"H (215.9mm x 88.9mm x 76.2mm).

### Features

- 2 Outlets
- Clamping Spike & Surge Suppression
- Radio Frequency and Electromagnetic Interference Filtering
- Extreme Voltage Shutdown (EVS) Below 102V or Above 132V AC Line
- AC Fault Indicator
- Fuse Protection @ 20A Slow Blow
- Manual Bypass Switch
- Active Outlet LED
- RoHS Compliant

### General Description

The Atlas Power ECM-20SH is a 120V 60Hz AC, 20A Single Housing (SH) Power Conditioner and AC Spike Suppressor that is designed to be used as a standalone unit or in conjunction with an Atlas Power Sequence controller, ECS-6RM or the ECS-3, up to 1000ft away.

The ECM-20SH features noise filtering for removing unwanted Radio Frequency Interference (RFI) and EMI filters to reduce noise from Electromagnetic Interference (EMI) caused by items such as electric motors or switching power supplies. If an AC spike or surge occurs, the ECM-20SH also incorporates Clamping Suppression technology to prevent the unwanted energy from getting into your AV system. Other features include a Manual Bypass Switch, Incoming AC presence LED, Active LED and an AC Fault indicator. When interfaced with the ECS-6RM Sequencer controller, Extreme Voltage Shutdown Circuitry (EVS) is active, along with Voltage and Current status readings.

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