



# ECM-20, ECM-20M

## Electical Control Modules



**ECM-20**



**ECM-20M**

### Features

#### ECM-20 / ECM-20M

- Manual/Auto ON/Off switch
- Incoming AC present LED
- Active LED
- AC Fault LED (ECM-20M Only)
- Clamping Spike & Surge Suppression EVS Circuitry
- AC Mains Voltage & Current monitoring (Voltage only for ECM-20)
- EMI & RFI Filtering (ECM-20M Only)

### General Description

The Atlas Power ECM-20 is a 20A Power Conditioner and AC Spike Suppressor that is designed to be used as a standalone unit or in conjunction with an ECS unit up to 1000ft away. The ECM-20 features AC Spike and Surge Suppression, AC Mains Voltage monitoring, EVS circuitry, and Remote Activation. The ECM-20 is designed to be conveniently housed in the ECM-RACEWY6 for the addition of multiple outlets directly connected to the AC mains from the electrical panel.

The Atlas Power ECM-20M is a 20A Power Conditioner and AC Spike Suppressor that is designed to be used as a standalone unit or in conjunction with an ECS unit up to 1000ft away. The ECM-20M features AC Spike and Surge Suppression, AC Mains Voltage monitoring, EVS circuitry, and Remote Activation. In addition, the ECM-20M 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. The ECM-20M is designed to be conveniently housed in the ECM-RACEWY6 for the addition of multiple outlets directly connected to the AC mains from the electrical panel.

### Specifications

#### ECM-20

Current Rating	20 Amps
Operating Voltage	102-132VAC
Minimum Spike Clamping Voltage	460 VRMS @ 3000A
Maximum Spike Clamping Voltage	6,000V
Power Consumption	.5 Watts
Power Requirements	120V 60Hz
Height	3.0" (76.2mm)
Width	8.5" (215.9mm)
Depth	3.5" (88.9mm)
Weight	1.25 lbs. (.68 kg)
Certifications	MET (UL 1449)

#### ECM-20M

Current Rating	20 Amps
Operating Voltage	102-132VAC
Minimum Spike Clamping Voltage	460 VRMS @ 3000A
Maximum Spike Clamping Voltage	6,000V
Power Consumption	.5 Watts
Power Requirements	120V 60Hz
Height	3.0" (76.2mm)
Width	8.5" (215.9mm)
Depth	3.5" (88.9mm)
Weight	1.75 lbs. (.80 kg)
Certifications	MET (UL 1449)

### Architect and Engineer Specifications

Sequencing power module shall be Atlas Sound model ECM-20 or ECM-20M. Sequencing power module shall have 2, 20A outlets. Sequencing power module shall include Radio Frequency and Electromagnetic filtering to reduce noise in AC lines where required (ECM20-M) and AC surge and spike protection technology (ECM-20/M). Sequencing power module shall have a manual bypass switch and LEDs indicating Incoming AC (ECM-20/M), Active (ECM-20/M), and AC Fault (ECM-20M). Units shall be designed to work with Atlas Power raceway units: ECM-RACEWY6, ECM-RACEWY3, or ECM-RACEWY1 for connecting to AC Mains power. 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).

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