

Complex Problems

I need a fail safe way to distribute clean power to my system.

I need to protect my equipment against damaging power surges and spikes.

I need a way to both monitor my electrical system and eliminate interference issues.

Atlas Solutions

Protecting critical electronics is vital to not only the functionality of the system but also to the reputation of the system designer and product manufacturer. Atlas Sound is proud to expand on their huge assortment of commercial sound products with the introduction of a full line of products designed to protect critical system electronics. Atlas Power products are designed to meet any system design scenario and deliver the features and protection that system designers and clients require.

Atlas Power Electrical Control Sequencers & Modules

- 3 and 6 stage sequencers that can power equipment ON/OFF with the touch of a button without an in-rush of current.
- Dual stage protection circuitry, abnormal AC line indicator, and Extreme Voltage Shutdown (EVS) for changes in voltage and current.
- Most models have voltage and current monitoring and also offer conditioning with EMI and RFI filters.



Ask your Atlas Representative for details and discover how the simple solution is the Atlas Solution!

Learn more about how Atlas can solve your complex problems
@ AtlasSound.com or call 800-876-3333

Designed & Engineered by
Atlas Sound in the USA

VARIZONE
DIGITAL PUBLIC ADDRESS SYSTEM

ISO9001-2000
-CERTIFIED-



 **Atlas
Power**

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ECS-6RM

- 6 Sequencer Timing Sections, 1, 3, or 6 Second Intervals
- 6 Independent ECM Connections
- 6 Independent Contact Closures
- Front Panel Digital AC Mains Voltage and Current Meter
- External Switch Sequence Trigger Activation
- External DCV Sequence Trigger Activation 5-24VDC
- Front & Rear Mounted XLR Connector for 12VDC Gooseneck LED Lamp, 1 AP-GNL18 Included
- Abnormal AC Line Voltage Indicator for Voltages Between 102V-107V or 128V-132V
- Extreme Voltage Shutdown (EVS) Below 102V or Above 132V AC Line



The ECS-6RM modular system has been designed to meet most installation requirements for AC power distribution, equipment power conditioning and surge suppression protection. The compact 1 RU unit features six sequential timing sections that can be activated via the unit, or remotely. Up to three ECS-6RM units can be daisy chained together with independent trigger timing settings giving you a total of 18 sequence triggered outlets. The ECS-6RM unit is the activation controller/monitor portion of the system and requires a 120V AC Mains ECM (Electrical Controlled Module) module for each triggered output. A variety of remote ECM AC modules are available to meet different installation requirements.

The ECS-6RM can also monitor up to six independent 20A AC main lines, both voltage and current readings can be viewed via the laboratory grade meters on the front panel. The ECS-6RM has built in intelligence that monitors the AC lines and will inform you of potentially damaging voltages. If the AC Mains voltage is between 101VAC and 107VCA or 128VAC and 132VAC the display will flash an error code indicating a potential fault has occurred and you should check sensitive equipment. If an extreme voltage swing occurs above 128VAC or below 101VAC, the Extreme Voltage Shutdown (EVS) protection circuit will automatically turn all remote ECM modules off until the system is manually reset. The EVS feature can be defeated if required.

The ECS-6RM also features 6 sequenced independent relay contacts. The activation of the contacts work in parallel of the corresponding ECM triggered outputs. Activation can be done via the Front panel momentary switch, RMT V input (5-24VDC), External switch, or via the optional Remote ECS-KSW6 key switch. The ECS-KSW6 can be placed up to 1000 ft away from the ECS-6RM and will also indicate if an ECM is activated or if a fault condition has occurred on one or all six channels.

The ECS-6RM was designed to be flexible with features that allow it to be used in a variety of applications. The sequenced outputs allow the turning of equipment On and Off in a particular order to eliminate an in rush of current and audible pops that often occur with non-sequenced power strips. It also can be used solely for protection against voltage surges. If fuzzy video or frequent static pops occur, the AC power conditioning will eliminate or reduce those inconveniences.

ECS-3

- 3 Sequencer Timing Sections Fixed 3-Second Intervals, 6 Seconds Total
- 9 Total Outlets Are Provided
- 6 Rear Panel Outlets Are Sequenced In Three Steps
- 2 Front Panel and 1 Rear Panel Unswitched Convenience Outlets
- RFI Noise Filtering to Reduce Radio Frequency Interference
- EMI To Reduce Electromagnetic Interference
- Dual Clamping Spike & Surge Suppression, DCS Circuitry
- Front Panel Digital AC Mains Voltmeter
- LED Indication of Reversed "Live" and "Neutral" Wiring
- Abnormal AC Line Voltage Indicator for Voltages Between 102V–107V or 128V–132V
- Extreme Voltage Shutdown (EVS) Below 102V or Above 132V AC Line
- Circuit Breaker Protection @ 15A Indicated by "Breaker Open" Indicator
- Front Mounted Pull-out LED Light With 2-Position Dimmer
- Rear Mounted XLR Connector for 12VDC LED Lamp
- External Switch Sequence Trigger Activation
- External DCV Sequence Trigger Activation 5-24VDC
- 24VDC Sequence Trigger Output for Optional External AC Outlet



The ECS-3 has been designed to meet most installation requirements for AC power distribution and equipment power protection. The 15A compact 1 RU unit features three sequential timing sections that can be activated via the unit, or remotely. Front panel activation is via a momentary switch, while rear activation is via a momentary contact closure, or by 5-24VDC trigger feed. AC Mains Voltage can be monitored via the front panel from the precision Digital Volt Meter. To light your rack, the ECS-3 has incorporated a front panel pull-out dimmable LED tube light. The rear of the rack can be illuminated using an optional 16" gooseneck LED lamp (AP-GNL18) connected via an XLR style socket. LED lamps are far superior in longevity along with heat reduction when compared to traditional incandescent lamps and the XLR base mounts are also superior to the commonly used BNC type base. If a 15A AC Mains power source is not enough to meet the amperage demand of your system, the ECS-3 provides a sequenced 24VDC output that can be used to trigger other devices such as the Atlas Power ECM-20SH 20A stand alone AC power module.

The ECS-3 also features noise filtering for unwanted Radio Frequency Interference (RFI) that are commonly introduced into the AC lines by nearby radio transmitters or wireless products. EMI filters are incorporated to reduce noise from Electromagnetic Interference (EMI) that is generated by items such as electric motors and switching power supplies.

The ECS-3 features Dual Clamping Suppression technology (DCS) to protect against AC spikes and unstable AC Mains voltage. If a spike intrudes the AC system, the ECS-3 incoming AC Mains has special suppression circuitry to eliminate the unwanted energy and in the unlikely event of any energy getting pass the first stage, each sequenced output section has redundant DCS circuitry clamping the unwanted energy.

The ECS-3 has built-in technology to monitor and report the incoming voltage and alert the user of any fluctuations in voltage above 128VAC or below 107VAC and under extreme variances in the AC Mains, it will shut the power to the equipment off. The Abnormal Voltage indicator on the front panel will flash if the AC Mains is between 101VAC and 107VCA or 128VAC and 132VAC. This is to inform the user that a surge occurred and may have damaged voltage sensitive equipment. If an extreme voltage swing occurs above 132VAC or below 101VAC, the ECS-3 Extreme Voltage Shutdown (EVS) protection circuit will automatically activate and turn all outlets off until it is manually reset.

Electrical Control Modules

The Atlas Power Electrical Control Modules have been designed to offer flexibility and to meet a variety of AC power management requirements. Some ECMs can be used as standalone units or in conjunction with an Atlas Power Electrical Control Sequencer and others are designed to be used exclusively with an Atlas Power ECS. If AC outlets are required to be placed within the same rack as the ECS-6RM, the ECM-RACEWY6 raceway can house up to six ECM-20 or ECM-20M modules and six independent 20A AC 120V lines. For remote locations where single outlet turn On/Off and monitoring are required the ECM-15SH (15A) and the ECM-20SH (20A) can be a perfect fit. ECMs connect to any ECS using any 5 conductor cable and can be placed up to 1000ft from each other. Each ECM module has an input DC voltage trigger of 5VDC, plus three low voltage data port connections for AC Mains monitoring. All ECM modules offer different and unique packaging designs and mounting options to assure they meet job requirement.

ECM-20SH

- 2 Outlets, 20A
- RFI / EMI Noise Filtering
- Spike & Surge Suppression
- Extreme Voltage Shutdown (EVS) Below 102V or Above 132V AC Line
- AC Fault indicator
- Fuse Protection @ 20A Slow Blow
- Manual Bypass Switch
- Incoming AC Presence LED
- Active Outlet LED
- Status Signals Output for Voltage and Current



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.

ECM-15SH

- 2 Outlets, 15A
- RFI / EMI Noise Filtering
- Spike & Surge Suppression
- Extreme Voltage Shutdown (EVS) Below 102V or Above 132V AC Line
- AC Fault indicator
- Fuse Protection @ 15A Slow Blow
- Manual Bypass Switch
- Incoming AC Presence LED
- Active Outlet LED
- Status Signals Output for Voltage and Current
- Compact to fit behind Flat Screens

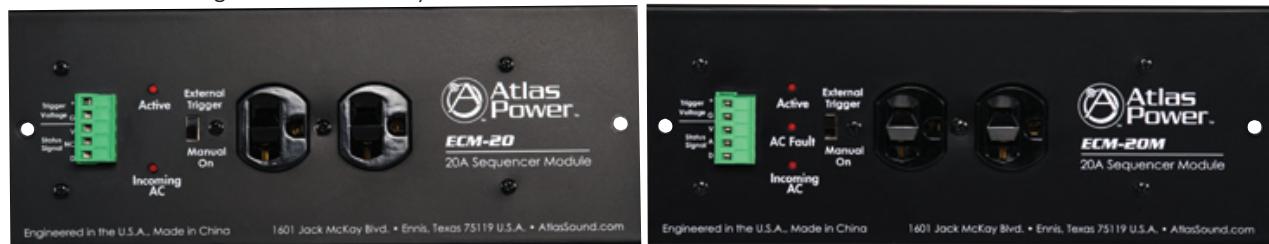


The Atlas Power ECM-15SH is a 120V 60Hz AC, 15A Single Housing (SH) Power Conditioner and AC Spike Suppressor that is designed to be used as a standalone unit or in conjunction with an Atlas Power Sequence controller, ECS-6RM or the ECS-3, up to 1000ft away.

The ECM-15SH 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-15SH 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.

ECM-20M & ECM-20

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



The Atlas Power ECM-20/ECM-20M are 20A Power Conditioners and AC Spike Suppressors that are designed to be used as standalone units or in conjunction with an ECS unit up to 1000ft away. Both the ECM-20 and the ECM-20M feature 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^{mo}-tors or switching power supplies.

Both the ECM-20 and ECM-20M are 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.

ECM-RACEWY6

- Holds 6 ECM-20/20M Modules
- 4 AC Inlet Locations
- Dual Knockouts ½" & ¾"
- 4 Rail Mounting Tabs
- Breakaway Mounting Tabs
- 2 Blank Module Cover Plates Included

The ECM-RACEWY6 is the housing that supports up to six ECM-20 or ECM-20M modules. There are four ½" and ¾" dual knockouts that support standard electrical conduit components for wiring 120V AC mains into the raceway housing from the electrical panel. If six sequenced sections are not needed there are two ECM-3BP blank plates included to cover the unused ECM module slots. Other blank plates are available as an accessory item.



ECS-KSW6

The ECS-KSW6 is a single gang electrical cover plate that works in conjunction with the ECS-6RM system controller. The ECS-6RM system controller can be remotely activated with each channel being monitored by using the ECS-KSW6 control panel. This panel can be placed several hundred feet away from the ECS-6RM controller. A Keyed On / Off switch is provided for security. There are six Bi-Color LEDs on the ECS-KSW6 panel. One LED for each of the six sequenced channels of the ECS-6RM. These LEDs mimic the Channel Activation LEDs that are on the front of the ECS-6RM panel. Wiring the ECS-KSW6 panel requires a RJ45 connector and 8 conductors. It is recommended to use CAT5 cable. **Note: These RJ45 connectors are not IP Ethernet ports and are only used for connectivity between ECS-6RM and the ECS-KSW6 units.** Wiring of this connector is the same as an Ethernet cable. **Do not miss wire the connector or damage may occur.**



Power Conditioners & Distribution Units

AP-S15L

- 9 Total Outlets
- 8 Rear Panel Switched Outlets
- 1 Front Panel Unswitched Convenience Outlet
- RFI Noise Filtering to Reduce Radio Frequency Interference
- EMI to Reduce Electromagnetic Interference
- Circuit Breaker Protection @ 15A
- Front Mounted Pull-out LED Light With 2-Position Dimmer
- Rear Mounted XLR Connector for 12VDC LED Lamp (AP-GNL18) (Lamp Sold Separately)
- Spike Suppression up to 6000V
- AC Fault Indicator



The AP-S15L has been designed to meet most installation requirements for AC power distribution and equipment power protection. The AP-S15L has incorporated a front panel pull-out dimmable LED tube light to light a rack,. The rear of the rack can be illuminated using the optional 16" gooseneck LED lamp connected via an XLR style socket.

The AP-S15L features noise filtering for eliminating unwanted Radio Frequency Interference (RFI) that is commonly introduced into AC lines by nearby radio transmitters or wireless products. EMI filters are also incorporated to reduce noise from Electromagnetic Interference (EMI) generated by items such as electric motors and switching power supplies.

Unstable AC Mains voltage is one of the main reasons for equipment failure. The amount of energy that can be injected into the power system can be immense with voltages reaching 6kV or amperage peaks of 3000A. These spikes are very fast and usually only last for a very short period of time. The AP-S15L's circuitry is very fast and can suppress unwanted energy within a nanosecond response and sustain the suppression up to 2 milliseconds, thus ensuring virtually trouble free protection. If damage to the suppression circuitry occurs the AC fault LED will illuminate.

AP-S15

- 9 Total Outlets
- 6 Rear Panel Switched Outlets and 2 Rear Panel Unswitched Outlets
- 1 Front Panel Unswitched Convenience Outlet
- RFI Noise Filtering to Reduce Radio Frequency Interference
- EMI Filtering to Reduce Electromagnetic Interference
- Circuit Breaker Protection @ 15A
- Spike Suppression up to 6000V



The AP-S15 features noise filtering for unwanted Radio Frequency Interference (RFI) that is commonly introduced into AC lines by nearby radio transmitters or wireless products. EMI filters are also incorporated to reduce noise from Electromagnetic Interference (EMI) generated by items such as electric motors and switching power supplies.

Unstable AC Mains voltage is one of the main reasons for equipment failure. The amount of energy that can be injected into the power system can be immense with voltages reaching 6kV or amperage peaks of 3000A. These spikes are very fast and usually only last for a very short period of time. The AP-S15's circuitry is very fast and can suppress unwanted energy within a nanosecond response and sustain the suppression up to 2 milliseconds.

AP-C15D

- 10 Total Outlets Are Provided
- 8 Rear Panel Outlets
- 2 Front Panel and 1 Rear Panel Unswitched Convenience Outlets
- RFI Noise Filtering to Reduce Radio Frequency Interference
- EMI Filtering To Reduce Electromagnetic Interference
- Dual Clamping Spike & Surge Suppression, DCS Circuitry
- Front Panel Digital AC Mains Voltmeter
- LED Indication of Reversed "Live" and "Neutral" Wiring
- Abnormal AC Line Voltage Indicator for Voltages Between 101V–107V or 128V–132V
- Extreme Voltage Shutdown (EVS) Below 101V or Above 132V AC Line
- Circuit Breaker Protection @ 15A Indicated by "Breaker Open" Indicator
- Front Mounted Pull-out LED Light With 2-Position Dimmer
- Rear Mounted XLR Connector for 12VDC LED Lamp (AP-GNL18)



The AP-C15D is been designed to meet most installation requirements for AC power distribution and equipment power protection. The 15A compact 1RU unit AC Mains Voltage can be monitored via the front panel from the precision Digital Volt Meter. To light your rack, the AP-C15D has incorporated a front panel pull-out dimmable LED tube light. The rear of the rack can be illuminated by the optional 16" gooseneck LED lamp connected via an XLR style socket (AP-GNL18).

The AP-C15D features noise filtering for eliminating unwanted Radio Frequency Interference (RFI) that can be introduced into the AC lines by nearby radio transmitters or wireless products. EMI filters are also incorporated to reduce noise from Electromagnetic Interference (EMI) generated by items such as electric motors and switching power supplies.

The Abnormal Voltage indicator on the front panel will flash if the AC Mains is between 101VAC and 107VAC or 128VAC and 132VAC. This is to inform you that a surge occurred and may have damaged voltage sensitive equipment. If an extreme voltage swing occurs above 132VAC or below 101VAC, the AP-C15D Extreme Voltage Shutdown (EVS) protection circuit will automatically activate and turn all outlets off until it is manually reset. The AP-C15D offers intelligent power management control, along with noise filtering and spike/surge protection making it the most compact, effective power management protection system on the market today.

Additional Atlas Power Accessories

ECM-3BP	ECM-RACEWY6 Module Blank Cover Plate
ECM-ACIN	140", Stranded 12 gauge UL wire for wiring the ECM-20/ECM-20M Modules
AP-GNL18	16" XLR Connector Gooseneck LED Lamp for ECS-6RM, ECS-3, AP-S15L, and AP-C15D .



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