



AP-S15A & AP-S15LA

AC Power Conditioner & Distribution Unit



Features

- Front Panel Dimmable Pul Out Lamp (AP-S15LA Only)
- Circuit Breaker Protection @ 15A
- 9 Total Outlets
 - 7 Rear Panel Switched Outlets
 - 1 Rear Panel Unswitched Outlet
 - 1 Front Panel Unswitched Convenience Outlet
- Removable IEC Power Cord with a Retainer Bracket
- RFI Noise Filtering to Reduce Radio Frequency Interference
- EMI Filtering to Reduce Electromagnetic Interference
- Spike Suppression Up To 6000V
- Power LED Indicator
- Surge Protect LED Indicator
- AC Ground LED Indicator
- Power Switch Cover

Application

The AP-S15A and AP-S15LA were designed to be flexible with features that allow them to be used in a variety of applications. The AP-S15A and AP-S15LA can be used solely for protection against voltage surges or for AC distribution. If fuzzy video or frequent static pops occur, the AC power conditioning may eliminate or reduce those inconveniences. The following are just a few examples of applications where the AP-S15A and AP-S15LA can be used:

- Restaurants
- Houses of Worship
- Schools
- Home Theaters
- Office Buildings
- Sports Bars

General Description

The AP-S15A and AP-S15LA feature 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-S15A and AP-S15LA 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. The AP-S15A and AP-S15LA include a 12 foot removable IEC cord with retainer bracket. The AP-S15LA has incorporated a front panel pull-out dimmable LED tube light to light a rack.

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Specifications

| | |
|-----------------|--------------------------------|
| Type Power | Power Conditioner & Suppressor |
| Load Rating | 15A |
| Safety Listings | UL 60065 Standard |

Front Panel

| | |
|-----------------------|----------------------------------|
| Outlets | 1 Unswitched |
| Activation Switch | Rocker with Security Cover |
| Indicators | Power, Surge Protect, AC |
| Light (AP-S15LA Only) | Ground Pull Out Lamp with Dimmer |

Rear Panel

| | |
|---------------------------|--|
| AC Outlets | 8 Outlets Total, 1 Unswitched & 7 Switched |
| AC Mains IEC Power Socket | 7 Switched |
| Circuit Breaker | 15A 1800W 15A Resettable |

Technical Data

| | |
|--------------------------------|---|
| Max AC Mains Current | |
| Operating Voltage | 15A AC Mains Breaker |
| Power Consumption | 102VAC-132VAC |
| Noise Attenuation RFI | 6 Watts 10dB @ 10kHz / 40dB @ 100kHz / |
| Min. Spike Clamping Voltage | 100dB @ 10MHz |
| Max. Spike Clamping Voltage | 460VRMS @ 3,000A |
| Max. Spike Clamping Resp. Time | 600ns |
| Spike Clamping Voltage @ 100A | 1250Vp for 20µs |
| Maximum Surge Current | 6,500A |
| Energy Rating @ 2ms | 200 Joules |
| Temperature Range | 5° – 35°C |
| Humidity Range | 5% to 95% Relative Humidity |

Mechanical

| | |
|----------------|-----------------------|
| Chassis Finish | Black |
| Mounting | Rack Mount, 1 RU, 19" |
| Height | 1.75" (1RU, 44.5mm) |
| Width | 19" (482.6mm) |
| Depth | 5" (127mm) |
| Weight | 5 lbs (2.27kg) |

In the Box

| |
|-----------------------------------|
| Manual |
| IEC Power Cord 14 Gauge 12ft (4M) |
| IEC Power Cord Retainer Bracket |

Architect and Engineer Specifications

AP-S15A

Power conditioner shall be Atlas Sound model AP-S15A. Power conditioner shall have 9 total outlets: 8 rear panel outlets (7 switched and 1 unswitched) and 1 front panel, unswitched outlet. Power conditioner shall include Radio Frequency Interference (RFI) and Electromagnetic Interference (EMI) filtering to reduce noise in AC lines. Power conditioner shall have circuit breaker protection at 15A. Front panel shall include Power, Surge Protect, and AC Ground LED indicators and protective cover over power switch. Finish shall be textured black epoxy and dimensions shall be 19"W x 5"D x 1.75"H (482.6mm x 127mm x 44.5mm) to mount into 1RU of space.

AP-S15LA

Power conditioner shall be Atlas Sound model AP-S15LA. Power conditioner shall have 9 total outlets: 8 rear panel outlets (7 switched and 1 unswitched) and 1 front panel, unswitched outlet. Power conditioner shall include Radio Frequency Interference (RFI) and Electromagnetic Interference (EMI) filtering to reduce noise in AC lines. Power conditioner shall have circuit breaker protection at 15A. Front panel shall include pull out dimmable LED light, Power, Surge Protect, and AC Ground LED indicators, and protective cover over power switch. Finish shall be textured black epoxy and dimensions shall be 19"W x 5"D x 1.75"H (482.6mm x 127mm x 44.5mm) to mount into 1RU of space.