



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.



Specifications

Type Power	Power Conditioner & Suppressor
Load Rating	15A
Safety Listings	ETL (UL 60065 Standard)

Front Panel

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

Rear Panel

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

Technical Data

Max AC Mains Current	15A AC Mains Breaker
Operating Voltage	102VAC - 132VAC
Power Consumption	6 Watts
Noise Attenuation RFI	10dB @ 10kHz / 40dB @ 100kHz / 100dB @ 10MHz
Min. Spike Clamping Voltage	460VRMS @ 3,000A
Max. Spike Clamping Voltage	6000V
Max. Spike Clamping Resp. Time	1 nanosecond
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.