

ATX LED

100% DC low voltage

Atx Led Consultants Inc
815-A Brazos #326
Austin Tx, 78701
512 377 6052

<http://atx-led.com>

AL-PSE-3 Distribution panel for 300 Watts

[Product Description - AL-PSE-3](#)

This structured wiring panel provides Class 2 power to 6 power outputs. Ideal for up to 45 light fixtures and light switches.

It has three power inputs, with power failover management. It is housed in a case ideal for structured wiring panels. Three power inputs are relay routed to 6 outputs providing load balancing and failover.

It uses quick connect 5 amp rated connectors. When used with Class 2 power supplies, the output current is limited to 2 amps per Class 2 NEC 2017 code. The inputs are KF 3.81 types. Voltage is 44 to 56 volts, and 100 watts is allowed per power supply. Earth connection is provided for static discharge management.

Ideally matched with 3 pcs of the AL-PSU-51v96w, the AL-PSE-3 is a member of the ATX MMA family for quick installation in Media Panels.

Failover Power

The Power Distribution has 3 inputs – apply a matched set of 48 volt (max 52v) power supplies to reach the power budget for the project. If a 200 watt project had 3 power supplies – then an outage will have no impact.

Use with solar installations is possible.

A (input) powers A output block directly (KF or DIN connector)

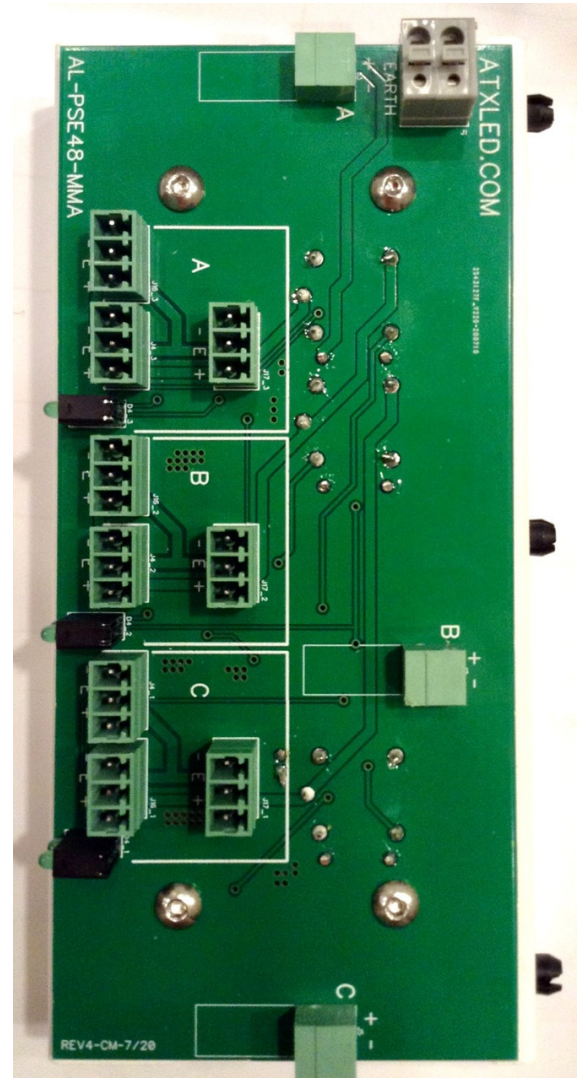
B (input) powers B output block directly

C (input) powers C output block directly (KF or 2.1mm connector)

Should B not have power, power for B outputs will come from A.

Should C not have power, power for C outputs will come from B.

Should A not have power, power for A outputs will come from C.

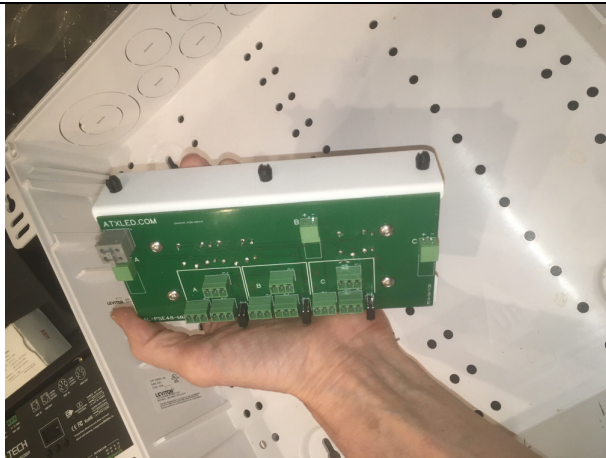


LED status display

There are 2 LEDs per power input. The bottom LED is the presence of voltage. The top LED is the power reserved from the input. With no load, it is fully bright. As the load reaches the Class 2 limit of 2 amps – the LED will go off.

Specifications

Power source	KF 3.81mm connectors (3) 2 pin DIN4 for use with the AL-PS-51v96w 2.1 x 5.5mm jack for use with 48v power supplies
Load side	KF 3.81mm connectors (9) 3 pin (included)
Connector type	CUI TBP02P1-381-02-BE (power in) CUI TBP02P1-381-03-BE (power out)
Failover	Relays from 3 DC power inputs assures all outputs are live
Input voltage range	44v to 56 volts (for Relay activation)
Class 2 current limit	2 amps per input – self resetting PTC at 2.5 amps. Per input
Internal Power consumption	50 milliwatts standby
Protection	Reverse protection and static protection
Operating Temperature	0°C ~ 50°C
Size	80 mm x 168mm x 45mm includes Leviton 47612-mma mounting hardware
Hot Swap	Yes – can unplug and connect input power live
Earth Ground	Connection for earth grounding
Failover Detection	Cutover at less than 44 volts
Mouting Kit	Leviton 47615-NYL



Preparing to install



Installed