

# Power Distribution Block PDB-1<sup>TM</sup>

PowerPole Connector Distribution Block with Fuse

## DATA SHEET

### FEATURE SUMMARY

- 45A Anderson Powerpole<sup>®</sup> Connectors
- ATO-ATC-Mini fuse holders
- No active circuitry
- Zero quiescent load
- Fully potted
- Made in USA.



### DESCRIPTION

**Dyacon Power Distribution Block, PDB-1<sup>TM</sup>** was designed for low-power weather station applications with multiple batteries or loads.

The power distribution block is a simple parallel circuit with no active circuitry or components that would impose a drain on the system or be susceptible to switching transients.

Each connection is individually fused.

### KEY FEATURES

**Construction:** ABS enclosure with epoxy potting

**Connection:** Anderson Powerpole<sup>®</sup> 45A Connectors

**Mounting:** Flange

### APPLICATION

**Power Distribution Block PDB-1<sup>TM</sup>** is designed to connect a rechargeable power source to a load.

Normally, a power sourcing connector would be a receptacle and the load would use a pin. This convention avoids potentially short circuiting of exposed pins.

In rechargeable battery connections, batteries may be the source during equipment operation or they may be the load when recharging.

Anderson Powerpole<sup>®</sup> connectors are hermaphroditic and can be used for both sourcing power and recharging the battery without exposing live pins.

## ELECTRICAL

Voltage	32 VDC power systems or less
Current	5 A average
Circuit Protection	ATO/ATC or mini automotive blade fuses. 4 A or 10 A pre-loaded.

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## ENVIRONMENTAL

Operating Temperature	-40°C to 80°C
Storage Temperature	-40°C to 80°C
Humidity	0% to 99%, non-condensing

## MECHANICAL

Material	ABS enclosure
Overall (WxDxH)	77.9 x 53.59 x 34.82 mm (3.07" x 2.11" x 1.37")
Total Weight	78 g (2.8 oz)

## COMPATIBILITY

Connectors	Anderson Powerpole® 15/30/45A
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