

# 48V 400-600 Amp Breaker Panel (BIP)

## AP6C64AA

A breaker interface panel, also known as a power distribution unit (PDU), or frame supervisory panel (FSP), improves system power stability and provides a convenient centralized location for all customer load circuit breakers, alarms, and filtering.



### Special Features

- Low profile:
  - Fits in 2U height,
  - 3.47", 88.1 mm
- 23" width
- 4 x 100 A input feeds, upgradeable to 4 x 150A input feeds
- supports A & B redundant input feeds
- 4 hot swappable Breaker Modules + one Alarm Module
- Breaker Modules available in various configurations, all come equipped with:
  - 28,200  $\mu$ F capacitor bank
  - automatic inrush current limiting
  - hot swappable, field replaceable without service interruption
- Breaker Module configurations:
  - 5A 5A 5A 5A 5A
  - 20A 20A 20A 20A 20A
  - 25A 25A 5A 25A 25A
  - 10A 5A 30A 5A 10A
  - 25A 25A 25A 25A 25A
  - 30A 30A 5A 30A 30A
  - other configurations available on request, please consult your Astec representative
- Standard Alarm module comes equipped with:
  - isolated alarm contacts
  - input feed fail alarm
  - output breaker trip alarm
  - critical, major, minor alarms
  - end aisle lamp drive
  - fully programmable, 6 bit, shelf ID
  - LED test switch
  - connections for voice and data jacks
- Enhanced, customized alarm modules available by special order

### Electrical Specs

#### INPUT

DC input	-40 VDC to -75 VDC
Transients	ANSI T1.315-1994, FTZ19, BTR2511
Input feeds	4 x 100A each 4 x 150A each (available in the future)

#### OUTPUT

DC output	20 x 25A breakers total Four breaker modules, each with 5 x 25A breakers
Alarm signals	Critical, major, minor alarms

### Environmental

EMC/EMI:	No switching components, inherently EMI/EMC benign
ESD:	Bellcore GR-1089-CORE, ETSI 300 386-1, (15kV)
Operating Temperature and Humidity	
-5°C to +55°C normal, 5% to 85% RH, non-condensing	
-8°C to +65°C short term	
Shock and Vibration:	Bellcore GR-063-CORE and ETSI 300 019 Zone 4 earthquake
Fire Resistance:	UL94V-0

### Safety

UL	1950
CSA	C22.2 950
EN	60850, 41003
Bellcore	GR-063-CORE

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