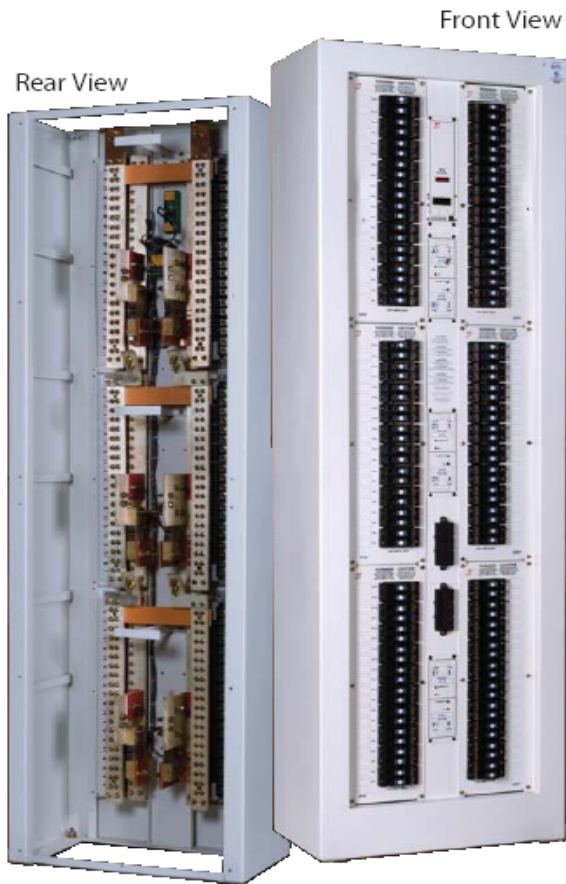


# 6 Load @ 500/600 Amp BDFB PEC 5069



- **Fuse and Circuit Breaker Distribution**  
TPS and TPL type fuses; plug-in style breakers
- **Up to Six Load Centers are Available**  
500/600 Amps maximum each, 3000/3600 Amps for entire BDFB (when 6 distributions are used)
- **Redundant Alarming**  
Power is continuously provided to the alarm circuits until the last bus no longer has power available
- **Digital Metering of All Load Centers**

## Product Description

The 5069 is one of many distribution products engineered to allow for initial and future cabling requirements. The overall system is designed to allow easy connection to the individual bus bars, fuses or circuit breakers on each distribution panel.

Each frame can be equipped with up to 6 distribution panels for a maximum plant rating of 3000/3600 Amps total distribution. Fuses are available with ratings up to 250 Amps and circuit breakers are available in ratings up to 100 Amps. The 5069 is easily configured to provide A or A, B, C, D, E, and F distribution in a variety of configurations. Each BDFB has a fully welded cabinet with tie bars on each side for cable management, and is configured to facilitate top or bottom cabling. Consult PECO II for further information on BDFB configurations and companion DC power plants available.

### Electrical

Voltage	-48VDC
Current	500/600 Amps per load center, up to 3000/3600 Amps for the entire BDFB

### Mechanical

Height	7'(2133.6mm)
Width	26"(660.4mm)
Depth	15"(381mm)

# 6 Load @ 500/600 Amp BDFB PEC 5069



## Documentation

Product Manual	4385069P-1PD
J Drawing	J-4385069P-1

## Circuit Breaker and Fuse Sizes

TPS Cartridge Style Fuses.....	3 – 70 Amps
TPL Style Fuses.....	70 – 250 Amps
Plug-In Style Breakers.....	2 – 100 Amps

## Extended Alarms

The bay alarm panel extends an FA alarm if a protection device trips, blows, or otherwise fails. Visual notification of the alarm is also provided via an LED. A power loss alarm is also extended from the BDFB.

## Equipment Listing

List #	Description
L1	Basic Bay: Includes welded box frame assembly (7'H x 26.00' W x 15.00' D) bay alarm, digital meter panel, alarm panel, Lexan covers, mounting hardware, wire/test
L5	Door assembly with Lexan shield
L10	-48VDC @ 500 Amps vertical distribution fuse panel (20) 3A to 70A TPS fuses (for left side mounting)
L11	-48VDC @ 500 Amps vertical distribution fuse panel (20) 3A to 70A TPS fuses (for right side mounting)
L12	-48VDC @ 500 Amps vertical distribution fuse panel (10) 70A to 250A TPL fuses (for left side mounting)
L13	-48VDC @ 500 Amps vertical distribution fuse panel (10) 70A to 250A TPL fuses (for right side mounting)
L14	Blank panels (vertically mounted) 7.97" x 25.00"
L15	System cable for fuse panels
L19	Circuit breaker pull tool
L20	-48VDC @ 500 Amps (vertically mounted) circuit breaker panel (20) 2A to 100A plug-in circuit breakers (for left side mounting)
L21	-48VDC @ 500 Amps (vertically mounted) circuit breaker panel (20) 2A to 100A plug-in circuit breakers (for right side mounting)
L25	System cable for circuit breaker panels
L31	Battery input termination assembly for left side C/O: 1000A shunt & bus bars (for use with L10, 11, 12, & 13)
L32	Battery input termination assembly for right side C/O: 1000A shunt & bus bars (for use with L10, 11, 12, & 13)
L38	Hardware kit for basic extension ground bus'
L39	Hardware kit for supplemental extension ground bus'
L40	Basic external ground bus assembly (2800 Amps) C/O: insulators, (2) bus bars, (2) mounting brackets
L41	Supplemental external ground bus assembly (2300 Amps) C/O: insulator (1) bus bar and hardware
L43	Internal ground bus assembly (with output bus') for left and right side rated @ 500 Amps
L44	Hardware kit for ground bus