



PECO II®

2000 Amps @ +24VDC
80 Amps @ -48VDC

162P Power System



- ▶ Hot swap rectifier shelves
- ▶ Front Access
- ▶ Modular design lowers Installed First Cost
- ▶ Installer friendly cable management
- ▶ Delivered fully assembled and tested to reduce installation time



■ ■ PRODUCT DESCRIPTION

The 162P Power and Distribution System supplies 100 to 2000 Amps of +24VDC power in increments of 100 Amps. The system is self-contained, providing power, distribution, alarms, and monitoring within one bay. The 162P is designed for ease of installation, incorporating all customer connections for loads, controls, alarms, and monitoring from the front of the bay.

- ▶ 2000 Amps @ +24VDC
- ▶ Optional 80 Amps @ -48VDC
- ▶ 100 Amp switchmode rectifiers
- ▶ 10 Amp @ -48VDC converters
- ▶ Multiple configurations of distribution options
- ▶ 8 alarm extension relays
- ▶ 21 status LED's
- ▶ Optional remote monitoring
- ▶ Optional LVD
- ▶ Optional manual battery disconnect
- ▶ Rectifier test jacks
- ▶ Circuit breakers up to 450 Amps
- ▶ Fuses up to 125 Amps
- ▶ Rectifier shelves can be added in the field
- ▶ Up to 80 plug-in distribution positions for fuses or circuit breakers
- ▶ Up to 13 large frame circuit breaker positions

■ ■ APPLICATIONS

- ▶ Cell Sites
- ▶ Base Termination Station (BTS) Huts

■ ■ SPECIFICATIONS

INPUT

Voltage Range	120/208/240VAC
Frequency	45 - 65Hz
Current	13A AC typical, 19A AC maximum per rectifier
Customer Provided Protection	25A, 2-Pole CB per rectifier

OUTPUT

Voltage Range (+24VDC)	23.5VDC - 28.5VDC
Current (+24VDC)	100A per rectifier (50A per rectifier @ 120VAC)
Efficiency	90% full load
Voltage (-48VDC)	Fixed @ -48VDC
Current (-48VDC)	10A per converter

NOISE

Voice Band	< 32dBnc (with battery)
Wide Band	< 100mVrms (10 - 20MHz) / < 250mV peak to peak (0 - 100MHz)
Acoustic	< 55dB

ENVIRONMENTAL

Storage Ambient	-40°F to +185°F (-40°C to +85°C)
Operating Ambient	23°F to 122°F (-5°C to +50°C)
Humidity	< 95% non-condensing
Heat Dissipation	750 BTU/hr per rectifier module at full load 315 BTU/hr per converter module at full load

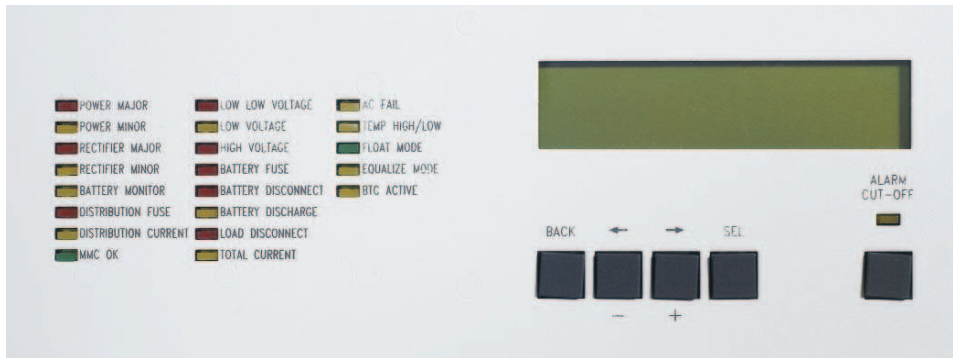
MECHANICAL

Dimensions, Fully Equipped	84"H x 23.62"D x 23.62"W
Weight	1,000 lbs.
Cooling	Front to rear fans in rectifier and converter modules

DOCUMENTATION

Product Manual	4380446PD
J Drawing	438162P

■ ■ POWER SYSTEM CONTROLLER FEATURES



- ▶ 2-line x 16 character backlit LCD
- ▶ Front panel status indicators
- ▶ 4-button navigation
- ▶ 8 alarm extension relays
- ▶ Audible alarm with cutoff