



# 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

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

### OUTPUT

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

### NOISE

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

### ENVIRONMENTAL

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

### MECHANICAL

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

### DOCUMENTATION

<b>Product Manual</b>	4380446PD
<b>J Drawing</b>	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