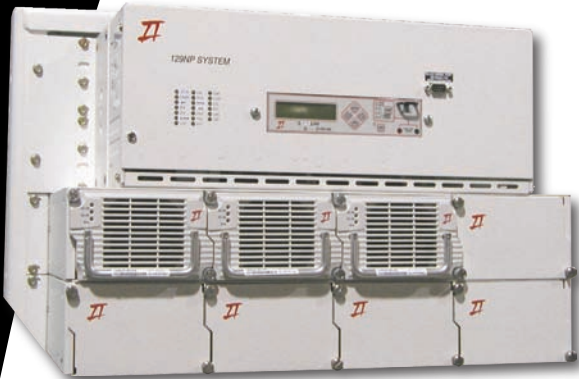




# PECO II®

Up to 400 Amps @ -48VDC

## 129NP Power System



- ▶ 50 Amp Modular Switchmode Rectifiers
- ▶ Fuse and Circuit Breaker Distribution (Accepts GMT, TPC, TPW, or TPS/TLS Fuses; Plug-in Bullet Style Breakers)
- ▶ Prioritized load shedding: User-selectable A, B, and C load sections
- ▶ Ethernet connectivity
- ▶ Temperature and midpoint voltage monitoring for up to 5 battery strings



### ■ ■ PRODUCT DESCRIPTION

The 129 power system supplies 50 to 400 Amps of -48VDC power in increments of 50 Amp rectifier modules in a compact design. The load distribution may be segregated into three sections (A, B & C) with individual disconnects to provide load shedding and extend the reserve time of most critical loads.

- ▶ 19" or 23" mounting
- ▶ Front/top access to all field connections
- ▶ Optional junction box that extends AC connections to the top of the plant
- ▶ 24 status LED's
- ▶ 16 alarm extension relays
- ▶ Standard battery temperature compensation
- ▶ Controlled battery recharge
- ▶ High float current alarm
- ▶ 400 Amps @ -48VDC
- ▶ 20 plug-in distribution positions
- ▶ Circuit breakers and fuses up to 250 Amps
- ▶ 50 Amp switchmode rectifiers
- ▶ Rectifier test jacks
- ▶ User configurable, prioritized load shedding for A, B, and C sections
- ▶ Battery string current variance alarm

### ■ ■ APPLICATIONS

- ▶ Customer premise
- ▶ Wireless power cabinets
- ▶ Remote switches
- ▶ Base Termination Station (BTS) Cabinets
- ▶ Base Termination Station (BTS) huts
- ▶ Controlled Environment Vaults (CEV)

## ■ ■ SPECIFICATIONS

### INPUT

<b>Voltage Range</b>	176-275VAC single phase
<b>Frequency</b>	45 - 65 Hz
<b>Current</b>	13A typical, 19A max per rectifier
<b>Customer Provided Protection</b>	25A, 2-Pole CB per rectifier

### OUTPUT

<b>Voltage Range (-48VDC)</b>	42 - 59.5VDC, 54.0VDC nominal
<b>Current (-48VDC)</b>	50A per rectifier, 400A per system
<b>Efficiency</b>	92% full load

### NOISE

<b>Voice Band</b>	< 32dBrc (with battery)
<b>Wide Band</b>	< 100 mVrms (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

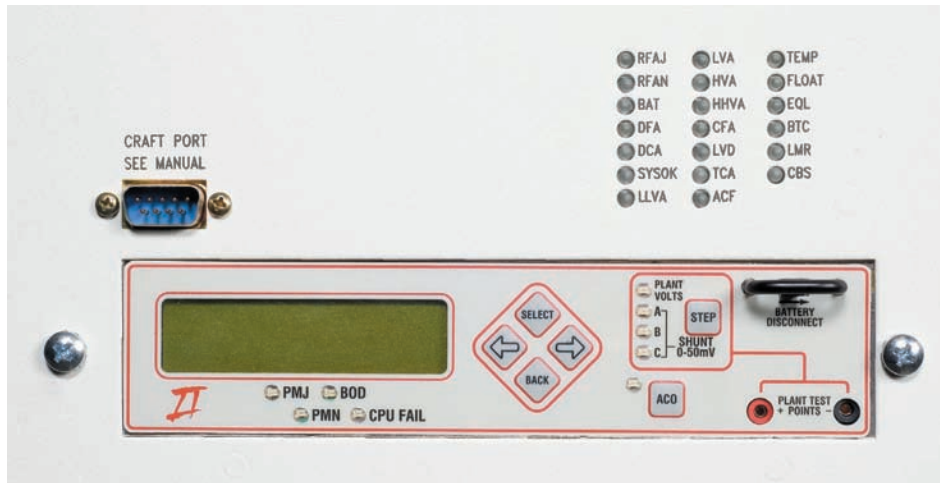
### MECHANICAL

<b>Dimensions, Fully Equipped</b>	17.5"H x 19.0"W or 23.0"W x 22.0"D
<b>Cooling</b>	Front to rear fans in rectifier module

### DOCUMENTATION

<b>Product Manual</b>	4380442PD
<b>J Drawing</b>	438129NP

## ■ ■ POWER SYSTEM CONTROLLER FEATURES



- ▶ Front panel craft port
- ▶ 2-line x 16 character backlit LCD
- ▶ Front panel status indicators
- ▶ Redundant PMJ, PMN, BOD, CPU fail functions
- ▶ 4-button navigation
- ▶ Test jacks
- ▶ 16 configurable alarm extension relays
- ▶ Audible alarm with cutoff
- ▶ Ethernet connectivity standard