



PECO II®

1200 Amps @ +24VDC
40 Amps @ -48VDC

128HP Power System



- ▶ 1200 Amps of +24V in as little as 19RU
- ▶ Enhanced battery health feature
- ▶ Modular design lowers Installed First Cost
- ▶ Installer friendly cable management
- ▶ Ethernet connectivity
- ▶ -48V converter option available
- ▶ Delivered fully assembled and tested to reduce installation time



■ ■ PRODUCT DESCRIPTION

The 128HP power system offers up to 1200 Amps of +24VDC power in a compact, low profile design. Power, distribution, alarms, and monitoring are all contained using a minimum of rack space, making this system ideal for applications where revenue-generating space is critical. The 128HP power system's modular design enables users to add power capacity and protection devices as the load requirements increase.

- ▶ Individual AC inputs
- ▶ 23" mounting
- ▶ Front access rack mount battery trays available
- ▶ Optional junction boxes that extends AC connections to the top or side of the plant
- ▶ 24 status LED's
- ▶ 16 alarm extension relays
- ▶ Standard battery temperature compensation
- ▶ Controlled battery recharge
- ▶ High float current alarm
- ▶ Battery string current variance alarm
- ▶ 1200 Amps @ +24V
- ▶ Optional 40 Amps @ -48V
- ▶ 48 & 80 distribution position models
- ▶ Circuit breakers up to 250 Amps
- ▶ Fuses up to 250 Amps
- ▶ Optional LVD
- ▶ 100 Amp switchmode rectifiers
- ▶ 10 Amp @ -48VDC converters
- ▶ Rectifier test jacks
- ▶ Optional battery disconnect/EPO

■ ■ APPLICATIONS

- ▶ Wireless Power Cabinets
- ▶ Base Termination Station (BTS) Cabinets
- ▶ 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	23.5VDC - 28.5VDC
Current	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	< 100 mVrms (10 - 20MHz) / < 250 mV 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

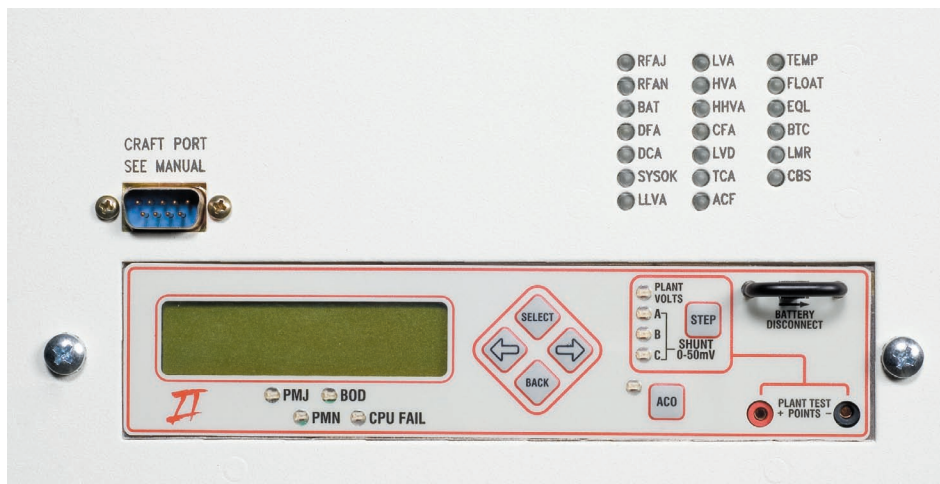
MECHANICAL

	<u>48 positions</u>	<u>80 positions</u>
Dimensions, Fully Equipped	36.8"H x 22"D x 23" mounting width	45.5"H x 22"D x 23" mounting width
Weight	450 lbs.	590 lbs.
Cooling	Front to rear fans in rectifier and converter modules	Front to rear fans in rectifier and converter modules

DOCUMENTATION

Product Manual	438128HPPD-1
J Drawing	438128HP

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 alarm extension relays
- ▶ Audible alarm with cutoff
- ▶ Ethernet connectivity standard

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