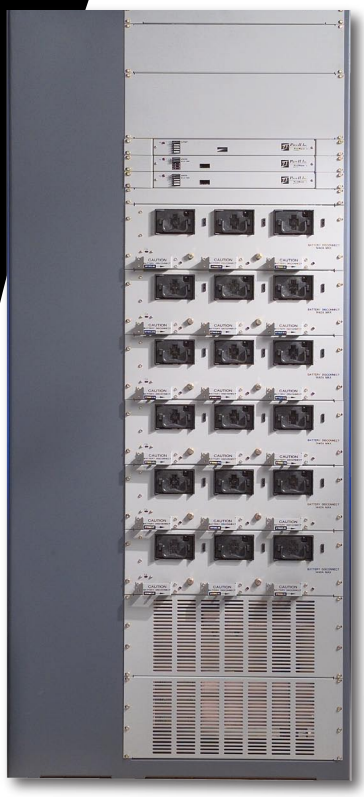
PECO II®

10,000 Amps @ -48VDC

165P Power System



- 10,000 Amp & 6,000 Amp bus versions
- Controlled ferroresonant rectifiers
- Digital meter and alarm panel
- Optional NetMACS™ monitoring system
- Various distribution panels with fuses or circuit breakers
- Internal bus safely interconnects bays
- Unique plant design and internal bus structure reduces installation time
- Can be installed for left or right expansion
- Distribution bays are segregated from battery and rectifier termination bays for controlled system architecture

PRODUCT DESCRIPTION

The 165P internal bus power plant supplies up to 10,000 Amps of -48VDC power. The power for the 165P plant is supplied by 400 Amp ferroresonant rectifiers. This gives the user the flexibility to order the power needed today, and then expand the plant in the future by simply adding rectifiers. The optional NetMACS™ monitoring system in the plant is designed to provide all controls and alarms for the system. A 165P system can consist of a rectifier termination bay; optional battery disconnect bay, main control bay, supplemental distribution bays, and ferroresonant rectifiers. The optional battery disconnect bay is internally factory wired for an Emergency Power Off (EPO) button.

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SPECIFICATIONS

INPUT

Voltage Range	187 - 254VAC 424 - 508VAC 570 - 630VAC
Frequency	57 - 63Hz

OUTPUT

Voltage Range	48 – 60VDC
Current	400A charge capacity per rectifier

NOISE

Voice Band	< 38dBrmc
Wide Band	< 200mV peak to peak

ENVIRONMENTAL

Storage Ambient	-40°F to +185°F (-40°C to +85°C)
Operating Ambient	32°F to 86°F (0°C to +30°C)
Humidity	< 95% non-condensing

MECHANICAL

Bay Dimensions	84”H x 30”D x 36”W
Rectifier Dimensions	84”H x 15”D x 26”W
Weight	965 lbs. maximum per bay
Cooling	Convection

DOCUMENTATION

Product Manual	4380138PD
J Drawing	J-438165P

POWER SYSTEM CONTROLLER FEATURES

- Digital volt and amp meter
- Front panel status indicators
- Audible alarm with cutoff
- Remote monitoring available via ethernet using NetMACS™ II high resolution monitoring system

08/2006

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