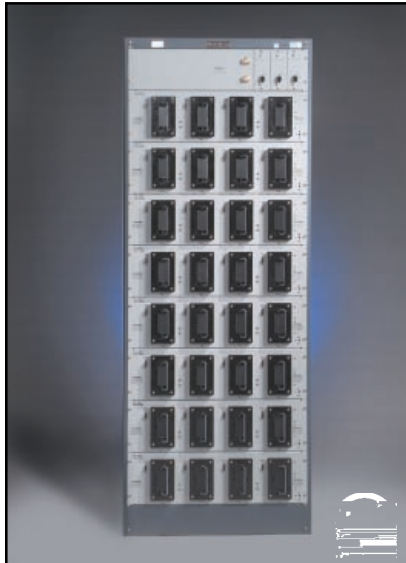


Large DC Power Plants

BULLETIN: 05.153/a
MARCH 2001

-48 VDC @ 5000 AMP POWER PLANTS



Model No.
153M

Spec No.
J4383853-M

- UL LISTED
- OVERHEAD BUS KITS
- DESIGNED FOR RIGHT AND LEFT EXPANSION
- SWITCHMODE/CONTROLLED FERRORESONANT RECTIFIERS
- OPTIONAL REMOTE MONITORING
- OPTIONAL BATTERY DISCONNECTS
- DIGITAL METERING / INTERFACE
- FULL 2 YEAR WARRANTY

DESCRIPTION: The 153M Power Plant, in combination with Rectifiers and Batteries, produces -48 VDC power in the capacity of 5000 Amps. Installation times and site preparations are greatly reduced due to the pre-designed overhead bus (list 5). Combinations of Main Control, Supplemental Distribution, Fuse Panels, and Circuit Breaker Panels allow for customized systems. Fuse Panels are available with fuse ratings from 0-60 Amps "TPN", 0-70 Amps "TPS", and 61-600 Amps "TPL".

MAIN CONTROL BAY (LIST 1)

One main control bay is required, which provides both a user interface to the plant and load distribution. The user interface consists of a means to display the total load current for the plant and the individual load currents of all fuses and circuit breakers with ratings greater than 100 Amps. Monitoring and alarm functions are included and provide discreet relay loop closures plus optional remote communications.

SUPPLEMENTAL BAY (LIST 2)

The supplemental distribution bay is located adjacent to the main control bay and provides additional load distribution. Supplemental distribution bays are equipped on an as needed basis and can grow to the left or right of the main control bay.

SWITCHMODE RECTIFIER BAY

1200 Amp capacity using the 50 Amp switchmode Rectifiers. Multiple bays can be utilized to increase system capacity.

FERRORESONANT RECTIFIERS

Rectifier Capacities are 200 Amp, 400 Amp, and 800Amp.

BATTERY AND GROUND OVERHEAD BUS

List 5: 5000 Amp Capacity for initial line-up of Main Bay, 1st Supplemental Bay and up to eight (8) 200 Amp or four (4) 400 Amp Ferro Rectifiers

List 50: 5000 Amp Capacity Bus for additional Supplemental Bays

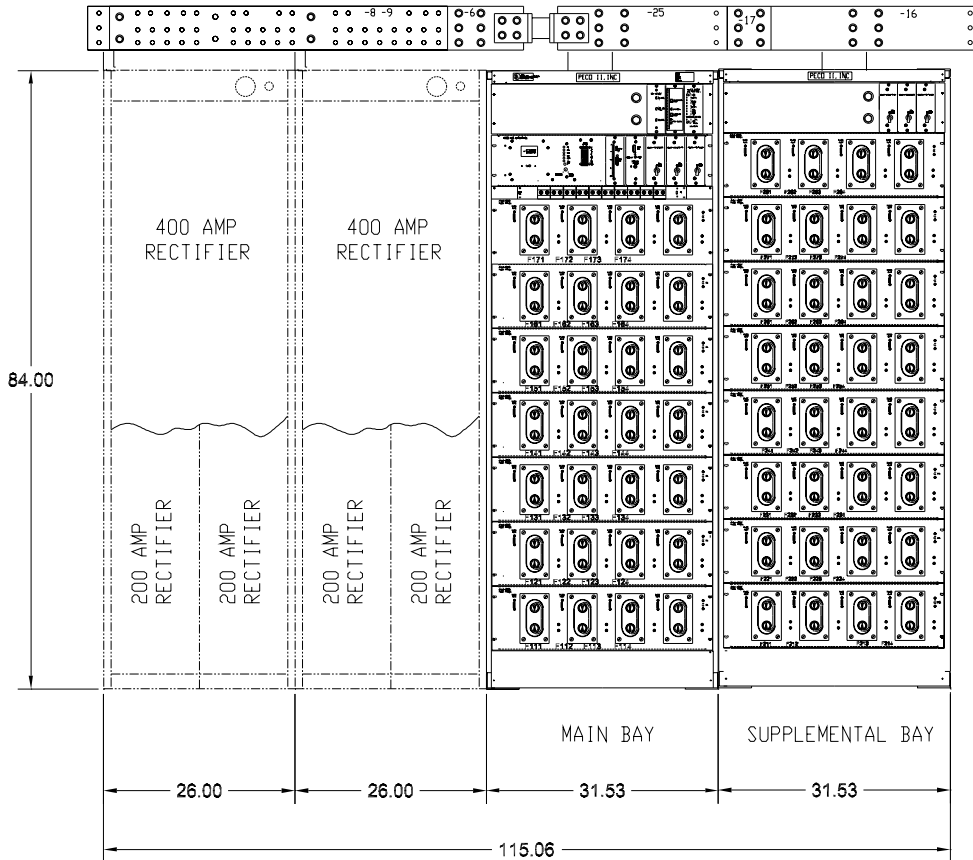
List 42: Extends the Rectifier Bus when up to eight (8) Additional 200 Amp or four (4) 400 Amp Rectifiers are installed.

Additional Bus Kit list numbers are available to meet a variety of installation requirements.

CLICK TO EXIT

PECO II, Inc.

OUTLINE DRAWING



TYPICAL PEC 153M LAYOUT

Specifications are subject to change without notice.
Please contact our website for the latest version.

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