

PECO II®

662 Converter Plant



- ▶ 10 Amp DC-to-DC converter modules
- ▶ N + 1 redundancy
- ▶ Expandable up to four converter shelves
- ▶ Three different input configurations
individual, dual & bulk feed
- ▶ Distribution module with 7 plug-in circuit
breakers

■ ■ PRODUCT DESCRIPTION

The 662 Plant is a DC-to-DC converter system that operates from +24VDC and outputs 10 Amps at -48VDC for each converter module installed. A total of four converter shelves are available with the system. When all four converter shelves are fully equipped with converter modules (four converter modules per shelf), the system will output a total of 160 Amps at -48VDC. These converters work in parallel to provide load sharing and redundancy, which are vital for network stability. They come equipped with a user-friendly interface for easy status indication. The 662 also has internal DC protection that reduces the risk of module failure due to a short circuit or high voltage condition. The SM48P10A-D converters mount laterally in a single, low profile shelf, which is the height of one DC-to-DC converter. Increasing converter capacity is done by simply plugging another DC-to-DC converter into the shelf. The hot insertable modules require no service interruption or special tools to install.

■ ■ SPECIFICATIONS

INPUT

Voltage Range 21 – 29VDC
Current 29A per converter module

OUTPUT

Voltage Range -48VDC
Current 10A per converter module

DOCUMENTATION

Product Manual 4380213PD
J Drawing J438662

ENVIRONMENTAL

Storage Ambient -40°F to +158°F (-40°C to +70°C)
Operating Ambient +23°F to +122°F (-5°C to +50°C)
Humidity < 95% non-condensing
Heat Dissipation 205 BTU/hr per converter module

MECHANICAL

Dimensions 3.5"H x 18.0"D x 23.0"W
Cooling Front to rear fans

■ ■ INDICATORS & ALARMS

CONVERTER MODULE

| LED Description | Name | Color |
|-----------------------|-----------|-------|
| DC Output Ok | OP OK | Green |
| Fan Fail | FF | Red |
| Converter Fail Alarm | CFA | Red |
| Converter load 0 -50% | 50% Load | Green |
| Converter 51 - 100% | 100% Load | Green |

DISTRIBUTION HEAD

| LED Description | Name | Color |
|-------------------------|------|--------|
| Power ON | GOOD | Green |
| Plant Major | PMJ | Red |
| Plant Minor | PMN | Yellow |
| Distribution Fail Alarm | FA | Red |