



**USDA Rural Development
Utilities Program**

RDUP/RUS

PECO II Listed Products

129 –48V Power System



Description

The 129 power system is designed with flexibility in mind. It has many cost saving features such as front accessibility for reduced installation and maintenance costs, the choice to add power shelves and rectifiers in the field as the load increases, and remote access to reduce visits to the site. The system offers many options.

Ordering Information

Convenient configurations have been defined to cover a broad range of applications. Ordering this way is simple, easy and convenient.

Many possible configurations are available to fit your application specifications. PECO II Sales & Application Engineering professionals are standing by to assist in your power needs.

Convenient Configurations

32 Pos. Distribution Head 48VDC 400Amp Power System with (2) 50Amp Rectifier Modules 7FT Relay Rack (2) 200Amp Rectifier Shelves AC Input Junction Box	687129FD-12
32 Position Distribution Head 20 Position Supplemental Distribution Head 48VDC 600Amp Power System with (2) 50Amp Rectifier Modules 7FT Relay Rack (3) 200Amp Rectifier Shelves AC Input Junction Box	687129FD-13

- ◇ Small CO and cell site power applications, CEV, cabinet, repeater, inline amplification site
- ◇ Scalable from 200 Amps up to 2000 Amps
- ◇ 600 Amps in 14 RU, 23 in. mounting (pictured)
- ◇ Modular design lowers first cost
- ◇ Configurable distribution
- ◇ NEBS Level 3 certified
- ◇ 50A rectifiers
- ◇ 450 lbs
- ◇ Circuit breakers to 600A
- ◇ Operating range from -5°C to 50°C

Line Items

Rectifier	SM50H48D
Rectifier Filler Panel	4361179P
Rectifier Shelf	438129FD-L41
Low Voltage Load Disconnect	438129FD-L70
Battery Tray (1) w/Disconnect	438129FD-L160
Battery Tray (2) w/Disconnect	438129FD-L161
Battery Tray (3) w/Disconnect	438129FD-L162

Circuit Breakers

1A CB	3050107P-1
2A CB	3050107P-2
3A CB	3050107P-3
5A CB	3050107P-5
10A CB	3050107P-10
15A CB	3050107P-15
20A CB	3050107P-20
25A CB	3050107P-25
30A CB	3050107P-30
40A CB	3050107P-40
45A CB	3050107P-45
50A CB	3050107P-50
60A CB	3050107P-60
70A CB	3050107P-70
75A CB	3050107P-75
80A CB	3050107P-80
90A CB	3050107P-90
100A CB	3050107P-100
125A CB Kit	6420564P-125
150A CB Kit	6420564P-150

+24V POWER SYSTEMS

128 +24V Power System



- ◇ Cell site power & cabinet applications
- ◇ Scalable from 400 Amps up to 2000 Amps
- ◇ 1200A in 19RU (pictures)
- ◇ Modular design lowers first cost
- ◇ Configurable distribution models
- ◇ NEBS Level 3 certified
- ◇ 100A rectifiers, 10A converter modules
- ◇ Plug-in circuit breakers to 250A
- ◇ Operating range from -5°C to 50°C

Description

The 128 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.

Ordering Information

Convenient configurations have been defined to cover a broad range of applications. Ordering this way is simple, easy and convenient.

Many possible configurations are available to fit your application specifications. PECO II Sales & Application Engineering professionals are standing by to assist in your power needs.

Convenient Configurations

48 Position Distribution Head 24VDC 1200Amp Power System 7FT Relay Rack (3) 400Amp Rectifier Shelves AC Input Junction Box Order Rectifiers as Required	RUS 128HP 11L
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48 Position Distribution Head 24VDC 1200Amp Power System 7FT Relay Rack (3) 400Amp Rectifier Shelves (1) 40Amp Converter Shelf AC Input Junction Box Order Rectifiers as Required Order Converters as Required	RUS 128HP 12L
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80 Position Distribution Head 24VDC 1200Amp Power System 7FT Relay Rack (3) 400Amp Rectifier Shelves (1) 40Amp Converter Shelf AC Input Junction Box Order Rectifiers as Required Order Converters as Required	RUS 128HP 12E
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Line Items

Rectifier Module	SM100H24D
Rectifier Filler Panel	4361179P
Converter Module	SM48P10A-D
Converter Filler Panel	4361159P
Low Voltage Load Disconnect (2) per system	438128HP-L70
Battery Tray (1) w/Disconnect	438129FD-L160
Battery Tray (2) w/Disconnect	438129FD-L161
Battery Tray (3) w/Disconnect	438129FD-L162

Order circuit breakers separately using the circuit breaker table to the left.

5067 MINI BDFB 4 Load, 600 Amps per Load



- ◇ Small Central Office distribution
- ◇ 600A load
- ◇ 2 and 4 load choices, field or factory wired
- ◇ Plug-in style distribution with 48 positions
- ◇ Digital Metering of all loads
- ◇ 28"H x 17.8"D x 23"W
- ◇ TLS, TPW, TPC fuses and electric trip breaker choices
- ◇ GR1089 and GR63 NEBS Certified

Description

The 5067 is a compact, high density, mini BDFB/BDCBB designed for rapid deployment. A unique feature of the 5067 is its ability to be used with circuit breakers or fuses, without having to specify configuration at the time of order. When the BDFB/BDCBB arrives on site, plug-in breakers or fuses can be easily installed.

Ordering Information

Standard Configurations

A & B Load Distribution Center, 48 CB Positions	6180638P
Distribution Meter Assembly	6180638P-3

Optional Items

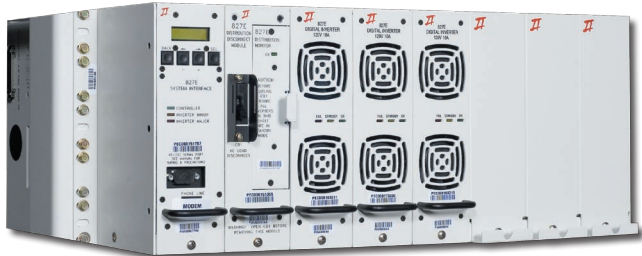
Kit, 4 Load	6421820P
Relay Rack	6270068P
Cable Tie Bracket	4083267

Circuit Breakers

1A CB	3050107P-1	45A CB	3050107P-45
2A CB	3050107P-2	50A CB	3050107P-50
3A CB	3050107P-3	60A CB	3050107P-60
5A CB	3050107P-5	70A CB	3050107P-70
10A CB	3050107P-10	75A CB	3050107P-75
15A CB	3050107P-15	80A CB	3050107P-80
20A CB	3050107P-20	90A CB	3050107P-90
25A CB	3050107P-25	100A CB	3050107P-100
30A CB	3050107P-30	125A CB Kit	6420564P-125
40A CB	3050107P-40	150A CB Kit	6420564P-150

AC POWER SYSTEMS

827E Inverter System -48V input, Scalable from 1.2KVA up to 28.8KVA +24V input, Scalable from 0.6KVA up to 3.6KVA



- ◇ Carrier grade AC power applications
- ◇ Scalable design provides low initial costs with site expansion capabilities
- ◇ Available in 19" and 23" rack mount footprints
- ◇ NEBS Level 3 certified
- ◇ 120V @ 10A AC per module with -48V input
- ◇ 120V @ 5A AC per module with +24V input

Description

The 827E is an N+1 redundant and expandable source of AC power for the telecommunications industry. The highly reliable AC power output is robust enough to handle linear and nonlinear loads with low power factors or high crest factors such as personal computers, servers, and modems. Inverter modules operating in parallel eliminate the need for a second AC source of power.

A complete system requires only 5 RU's of space. It can be configured with a minimum of inverter units sized to meet the immediate need, and grown only as required. This allows for low first costs, but retains expandability to serve future needs. Combined with user defined input choices and a conservative foot print (8.75"H x 15"D), the market leading 827E is able to adapt to varying needs and requirements.

Ordering Information

Standard Configurations	23", 48V	19", 48V	23", 24V	19", 24V
827E Inverter Shelf/empty	657827E-23	657827E-19	657827E-2324	657827E-1924
Cable DB25 Male/Bare, 60'	6370213P-60	6370213P-60	6370213P-60	6370213P-60
# of module slots per shelf	6	4	6	4
Maximum # of shelves per system	4	4	1	1
Optional Items				
Inverter Module	SI10A120PME	SI10A120PME	SI5A120PME	SI5A120PME
Module Blank Cover	4150657P-2	4150657P-2	4150657P-2	4150657P-2
Maintenance Bypass Panel	6310408P-1	6310408P-1	-	-
Interconnect Cable for Maint. Bypass	6370413P	6370413P	-	-
AC Distribution Panel	6180498P	6180498P	6180498P	6180498P
Relay Rack	6270008EQCG	6270053P	6270008EQCG	6270053P
1RU Blank Panel	4362326P-11	4362148P-11	-	-
Spares Kit				
Envision Software CD	6820014P	6820014P	6820014P	6820014P
Simple Controller Module	6180443P	6180443P	6180443	6180443P
AC Distribution Monitor	6180489PE	6180551PE	6180552PE	6180552PE



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