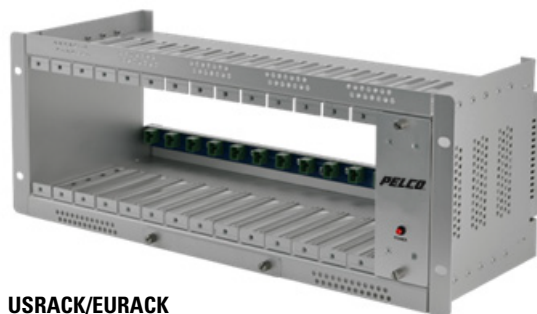


EthernetConnect™ and IP/Analog Fiber Accessories

POWER SUPPLIES, RACK CHASSIS WITH INTERNAL POWER SUPPLY

Product Offerings

- USRACK/EURACK: Rack Chassis with Internal 9 VDC, 6.5 A Power Supply, 14 Slots
- FXTPS: 9 VDC, 2 A, Power Supply Provides Power to Stand-Alone Units
- ECPS-12VDC-0.5A: 12 VDC, 0.5 A, Power Supply Provides Power to Stand-Alone Units
- ECPS-12VDC-3A: 12 VDC, 3 A, Power Supply Provides Power to Stand-Alone Units
- FXTPS-48V: 48 VDC, 1.36 A, Power Supply Provides Power Over Ethernet (PoE) Power to Stand-Alone Units
- ECPS-48VDC-5A: 48 VDC, 5 A, Power Supply, DIN Rail Mount, Ideally Suited for PoE Applications
- ECPS-48VDC-10A: 48 VDC, 10 A, Power Supply, DIN Rail Mount, Ideally Suited for PoE Applications



USRACK/EURACK



FXTPS/ECPS-12VDC-3A



ECPS-12VDC-0.5A

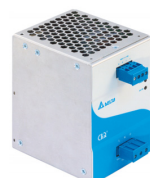
The **Rack Chassis with Internal Power Supply**, 9 VDC, 12 VDC, and 48 VDC **Power Supply Products** are accessories that support the IP/analog fiber and EthernetConnect™ products. These accessories provide a range of options to provide power to fiber applications, power over copper (PoC) applications, and PoE applications.

The 14-slot **Rack Chassis** allows for module installation in a chassis that is rack mountable. The chassis contains an internal 9 VDC, 6.5 A power supply that provides power directly to all modules installed in the chassis; no external power supply is required. The power supply provides current limiting at each slot for short circuit protection.

The 9 VDC, 12 VDC, and 48 VDC **Power Supply Products** provide excellent voltage and current alternatives for powering stand-alone IP/analog fiber and Ethernet modules. The 48 VDC, 5 A and 10 A power supplies are ideally suited for PoE applications.



FXTPS-48V



ECPS-48VDC-5A



ECPS-48VDC-10A

RECOMMENDED POWER SUPPLIES AND HARDWARE

9 VDC POWER SUPPLY PRODUCT FEATURES

USRACK/EURACK RACK CHASSIS

- Output Voltage: 9 VDC
- Output Current: 6.5 A
- Input Voltage: 90 to 264 VAC
- Provides Fourteen 1-Inch Slots
- Rack Mount and Power for 14 Modules
- Automatic Current Limiting at Each Module Slot (Not at the Power Supply Output)
- Voltage Transient Protection on all Power and Signal Input/Output Lines Provides Unconditional Protection
- All Modules Installed in the Chassis are Hot-Swappable
- 3 RU High
- IEC Cord Included: US, UK, EU, or AUS
- Optional RACK1B Single-Width Blank Filler Panel Covers the Front of an Empty Chassis Slot

FEXTPS

- Output Voltage: 9 VDC
- Output Current: 2 A
- Input Voltage: 100 to 240 VAC
- Broad Input Voltage Range for EU and US Application
- Frequency Range of 50 to 60 Hz for EU and US Application
- Changeable Input Voltage Pin Head; US Pin Head Standard
- Pin Heads Also Included for Europe, Australia, and UK

12 VDC POWER SUPPLY PRODUCT FEATURES

ECPS-12VDC-0.5A

- Output Voltage: 12 VDC
- Output Current: 0.5 A
- Input Voltage: 100 to 240 VAC
- Broad Input Voltage Range for EU and US Application
- Frequency Range of 50 to 60 Hz for EU and US Application
- Changeable Input Voltage Pin Head; US Pin Head Standard
- Pin Heads Also Included for Europe, Australia, and UK

ECPS-12VDC-3A

- Output Voltage: 12 VDC
- Output Current: 3 A
- Input Voltage: 100 to 240 VAC
- Broad Input Voltage Range for EU and US Application
- Frequency Range of 50 to 60 Hz for EU and US Application
- Changeable Input Voltage Pin Head; US Pin Head Standard
- Pin Heads Also Included for Europe, Australia, and UK

48 VDC POWER SUPPLY PRODUCT FEATURES

FEXTPS-48V

- Output Voltage: 48 VDC
- Output Current: 1.36 A
- Input Voltage: 100 to 240 VAC
- Broad Input Voltage Range for EU and US Application
- Frequency Range of 50 to 60 Hz for US and EU Application
- For Use on Standalone PoE Models
- IEC Cord Included: US, UK, EU, or AUS

ECPS-48VDC-5A

- Output Voltage: 48 VDC
- Output Current: 5 A
- AC Input Voltage: 85 to 264 VAC, 47 to 63 Hz
- DC Input Voltage: 120 to 375 VDC
- Output Overvoltage Protection: <57 VDC
- Output Overcurrent Protection: >150% of Rated Load Current
- Output Short Circuit Protection: Hiccup Mode, Non-Latching (Auto-Recovery When the Fault is Removed)
- Power Factor: >0.96 at 115 VAC, >90 at 230 VAC
- High Operating Efficiency: >90% at 115 VAC, >92% at 230 VAC
- Small Package for Limited Space Installations
- Mounts on 35 mm (1.4 in) DIN Rail in Accordance with EN60715
- Natural Convection Cooling: No Fans Required

ECPS-48VDC-10A

- Output Voltage: 48 VDC
- Output Current: 10 A
- AC Input Voltage: 85 to 264 VAC, 47 to 63 Hz
- DC Input Voltage: 120 to 375 VDC
- Output Overvoltage Protection: <57 VDC
- Output Overcurrent Protection: >150% of Rated Load Current
- Output Short Circuit Protection: Hiccup Mode, Non-Latching (Auto-Recovery When the Fault is Removed)
- Power Factor: >0.96 at 115 VAC, >90 at 230 VAC
- High Operating Efficiency: >91% at 115 VAC, >93% at 230 VAC
- Small Package for Limited Space Installations
- Mounts on 35 mm (1.4 in) DIN Rail in Accordance with EN60715
- Natural Convection Cooling: No Fans Required

TECHNICAL SPECIFICATIONS

9 VDC Rack Power Supply Products

MODELS

| | |
|--------|---|
| USRACK | 9 VDC, 14-slot chassis, internal power supply with US AC power cord, 19-inch, 3 RU rack mount |
| EURACK | 9 VDC, 14-slot chassis, internal power supply with UK, EU, or AUS AC power cord, 19-inch, 3 RU rack mount |

ELECTRICAL

| | |
|-----------------|---|
| Input Voltage | 90 to 264 VAC at 70 W maximum |
| Output Voltage | 9 VDC |
| Accuracy | ± 5% at 6.5 A at 75°C |
| Output Current | 6.5 A |
| Fusing | 1.25 A slow-blow (rack power supply) plug-in modules individually electronically fused; each power supply unit is individually fused. |
| MTBF | >100,000 hours |
| Power Indicator | Red LED |
| AC Line Cord | Detachable, IEC-connected; US, UK, EU, or AUS power cords available |

MECHANICAL

| | |
|-----------------|--|
| Dimensions | 48.2 x 19 x 17.5 cm (19.0" D x 7.5" W x 6.9" H) |
| Rack Slots | 14 slots available, 1-inch slots |
| Unit Weight | 2.27 kg (5 lb) |
| Shipping Weight | <3 kg (6.61 lb) |

GENERAL

| | |
|-------------------|------------------------------|
| Operating Temp | −40° to 75°C (−40° to 167°F) |
| Storage Temp | −40° to 85°C (−40° to 185°F) |
| Relative Humidity | 20% to 80%, noncondensing |
| Heat Generation | 240 BTU |

CERTIFICATIONS/RATINGS

- CE, Class A
- FCC, Class A
- UL/cUL Listed
- C-Tick
- Meets NEMA TS-1/TS-2 Standards and the Caltrans Specification for Traffic Signal Control Equipment

RECOMMENDED ACCESSORY

| | |
|--------|---|
| RACK1B | Single-width blank filler panel covers the front of an empty chassis slot |
|--------|---|



BLANK FILLER PANEL

9 VDC Power Supply Product

MODEL

| | |
|--------|------------------------------|
| FEXTPS | 9 VDC switching power supply |
|--------|------------------------------|

ELECTRICAL

| | |
|-------------------------|---------------------|
| Input Voltage Range | 100 to 240 VAC |
| Input Frequency Range | 50 to 60 Hz |
| Input Power Consumption | <0.5 W (at no load) |
| Input Current | 600 mA RMS maximum |
| Output Voltage | 9 VDC |
| Output Load Range | 2 A maximum |

MECHANICAL

| | |
|-----------------|--|
| Input Pins | Includes input voltage pin heads for US/North America, Europe, Australia, and UK Note: Refer to the Product Features section for pictorial descriptions. |
| Dimensions | 7.4 x 4.4 x 3.5 cm (2.9" D x 1.7" W x 1.4" H) |
| Unit Weight | 0.25 kg (0.55 lb) |
| Shipping Weight | <0.45 kg (1 lb) |

GENERAL

| | |
|-----------------------|-----------------------------|
| Operation Temperature | 0° to 40°C (32° to 104°F) |
| Storage Temperature | −10° to 70°C (14° to 158°F) |
| Relative Humidity | 20% to 80%, noncondensing |

CERTIFICATIONS/RATINGS

- CE, Class A
- FCC, Class A
- UL/cUL Listed
- C-Tick

12 VDC Power Supply Products

MODELS

| | |
|-----------------|--------------------------------------|
| ECPS-12VDC-0.5A | 12 VDC, 0.5 A switching power supply |
| ECPS-12VDC-3A | 12 VDC, 3 A switching power supply |

ELECTRICAL

| | |
|-------------------------|---------------------|
| Input Voltage Range | 100 to 240 VAC |
| Input Frequency Range | 50 to 60 Hz |
| Input Power Consumption | <0.3 W (at no load) |
| Input Current | |
| ECPS-12VDC-0.5A | 0.3 A RMS maximum |
| ECPS-12VDC-3A | 1 A RMS maximum |
| Output Voltage | 12 VDC |
| Output Load Range | |
| ECPS-12VDC-0.5A | 0.5 A maximum |
| ECPS-12VDC-3A | 3 A maximum |

MECHANICAL

| | |
|------------|--|
| Input Pins | Includes input pin heads for US/North America, Europe, Australia, and UK Note: Refer to the Product Features section for pictorial descriptions. |
|------------|--|

| | |
|-----------------|--|
| Dimensions | |
| ECPS-12VDC-0.5A | 6.4 x 4.1 x 3.0 cm (2.5" D x 1.6" W x 1.2" H) |
| ECPS-12VDC-3A | 7.4 x 4.4 x 3.5 cm (2.9" D x 1.7" W x 1.4" H) |

| | |
|-----------------|-------------------|
| Unit Weight | |
| ECPS-12VDC-0.5A | 0.25 kg (0.55 lb) |
| ECPS-12VDC-3A | 0.25 kg (0.55 lb) |

| | |
|-----------------|-----------------|
| Shipping Weight | |
| ECPS-12VDC-0.5A | <0.45 kg (1 lb) |
| ECPS-12VDC-3A | <0.45 kg (1 lb) |

GENERAL

| | |
|-----------------------|-----------------------------|
| Operation Temperature | 0° to 40°C (32° to 104°F) |
| Storage Temperature | -10° to 70°C (-4° to 158°F) |
| Relative Humidity | 20% to 80%, noncondensing |

CERTIFICATIONS/RATINGS

- CE, Class A
- FCC, Class A
- UL/cUL Listed
- C-Tick

48 VDC Power Supply Products

MODEL

| | |
|------------|-------------------------------|
| FEXTPS-48V | 48 VDC switching power supply |
|------------|-------------------------------|

ELECTRICAL

| | |
|-------------------------|---------------------|
| Input Voltage Range | 100 to 240 VAC |
| Input Frequency Range | 50 to 60 Hz |
| Input Power Consumption | <0.5 W (at no load) |
| Input Current | 1.4 A RMS maximum |
| Output Voltage | 48 VDC |
| Output Load Range | 1.36 A maximum |

MECHANICAL

| | |
|-----------------|---|
| Dimensions | 11.5 x 5.3 x 3.8 cm (4.5" D x 2.1" W x 1.5" H) |
| Unit Weight | 0.32 kg (0.70 lb) |
| Shipping Weight | <0.68 kg (1.50 lb) |

GENERAL

| | |
|-----------------------|-----------------------------|
| Operation Temperature | 0° to 40°C (32° to 104°F) |
| Storage Temperature | -20° to 80°C (-4° to 176°F) |
| Relative Humidity | 20% to 80%, noncondensing |

CERTIFICATIONS/RATINGS

- CE, Class A
- FCC, Class A
- UL/cUL Listed
- C-Tick

48 VDC 5 A Power Supply Products

MODEL

ECPS-48VDC-5A 48 VDC switching power supply, 240 W

ELECTRICAL

Output

| | |
|---------------------------------|--|
| Output Voltage Trim Range | |
| Typical VDC Minimum | 48 VDC |
| Typical VDC Maximum | 56 VDC |
| Typical Current | 5 A |
| Efficiency | >90% at 115 VAC, >92% at 230 VAC |
| Line Regulation | <0.5% typical |
| Load Regulation | <1% typical |
| Output Voltage Tolerance | ±1% (initial set point tolerance from factory) |
| Hold-Up Time | >20 ms at 115 VAC and 230 VAC (100% load) |
| Output Overvoltage Protection | <57 VDC |
| Output Short Circuit Protection | Hiccup mode, non-latching (auto-recovery when the fault is removed) |
| Rated Overload Protection | >150% of rated load current, hiccup mode, non-latching (auto-recovery) |

Input

| | |
|---|-------------------------------|
| Rated Input Voltage Range | |
| AC | 85 to 264 VAC |
| DC | 120 to 375 VDC |
| Rated Input Current at Vin _{put} | <u>115 VAC</u> <u>230 VAC</u> |
| | 2.5 A 1.3 A |
| Frequency Range | 47 to 63 Hz |
| Maximum Inrush Current | <u>115 VAC</u> <u>230 VAC</u> |
| | <35 A <35 A |

MECHANICAL

| | |
|-----------------------|--|
| Cooling | Natural convection: requires 5.0 cm (2.0 in) free space above and below and lateral distance of 2.0 cm (0.79 in) from other units to ensure adequate cooling |
| Cable Mount | |
| Screw Terminal Blocks | 12 to 20 AWG flexible or solid cable |
| Dimensions | 12.1 x 8.5 x 12.4 cm (4.8" D x 3.4" W x 4.9" H) |
| Unit Weight | 0.96 kg (2.12 lb) |
| Shipping Weight | <1.75 kg (3.86 lb) |

GENERAL

| | |
|-----------------------|--------------------------------|
| Operating Temperature | -25° to 80°C (-13° to 176°F) |
| Power Derating | |
| Vertical Mounting | >50°C, derate power by 2.5%/°C |
| Horizontal Mounting | >40°C, derate power by 2.5%/°C |
| Storage Temperature | -25° to 85°C (-13° to 185°F) |
| Relative Humidity | <95%, noncondensing |

CERTIFICATIONS/RATINGS

- CE, Class B
- FCC, Class B
- UL/cUL Recognized

48 VDC 10 A Power Supply Products

MODEL

ECPS-48VDC-10A 48 VDC switching power supply, 480 W

ELECTRICAL

Output

| | |
|---------------------------------|---|
| Output Voltage Trim Range | |
| Typical VDC Minimum | 48 VDC |
| Typical VDC Maximum | 56 VDC |
| Typical Current | 10 A |
| Efficiency | >91% at 115 VAC, >93% at 230 VAC |
| Line Regulation | <0.5% typical |
| Load Regulation | <1% typical |
| Output Voltage Tolerance | ±1% (initial set point tolerance from factory) |
| Hold-Up Time | >20 ms at 115 VAC and 230 VAC (100% load) |
| Output Overvoltage Protection | <57 VDC |
| Output Short Circuit Protection | Hiccup mode, non-latching (auto-recovery when the fault is removed) |
| Rated Overload Protection | >150% of rated load current, hiccup mode, non-latching (auto-recovery) |

Input

| | |
|------------------------------|-------------------------------|
| Rated Input Voltage Range | |
| AC | 85 to 264 VAC |
| DC | 120 to 375 VDC |
| Rated Input Current at Input | <u>115 VAC</u> <u>230 VAC</u> |
| | 5 A 3.0 A |
| Frequency Range | 47 to 63 Hz |
| Maximum Inrush Current | <u>115 VAC</u> <u>230 VAC</u> |
| | <35 A <35 A |

MECHANICAL

| | |
|-----------------------|--|
| Cooling | Natural convection: requires 5.0 cm (2.0 in) free space above and below and lateral distance of 2.0 cm (0.79 in) from other units to ensure adequate cooling |
| Cable Mount | |
| Screw Terminal Blocks | 12 to 20 AWG flexible or solid cable |
| Dimensions | 12.1 x 14.4 x 11.9 cm (4.8" D x 5.7" W x 4.7" H) |
| Unit Weight | 1.37 kg (3.02 lb) |
| Shipping Weight | <2.20 kg (4.85 lb) |

GENERAL

| | |
|------------------------|--|
| Operating Temperature | -25° to 75°C (-13° to 167°F) |
| Power Derating | |
| Vertical Mounting Only | >50°C, derate power by 2.5%/°C >70°C, derate power by 5%/°C |
| Storage Temperature | -25° to 85°C (-13° to 185°F) |
| Relative Humidity | <95%, noncondensing |

CERTIFICATIONS/RATINGS

- CE, Class B
- FCC, Class B
- UL/cUL Recognized

Pelco, Inc.

625 W. Alluvial Ave., Fresno, CA United States

USA & Canada Tel (800) 289-9100 Fax (800) 289-9150

International Tel +1 (559) 292-1981 Fax +1 (559) 348-1120

www.pelco.com

▲ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
▲ **ADVERTENCIA:** Cáncer y Daño Reproductivo - www.P65Warnings.ca.gov.
▲ **AVERTISSEMENT:** Cancer et Troubles de l'appareil reproducteur - www.P65Warnings.ca.gov.

Pelco, the Pelco logo, and other trademarks associated with Pelco products referred to in this publication are trademarks of Pelco, Inc. or its affiliates. ONVIF and the ONVIF logo are trademarks of ONVIF Inc. All other product names and services are the property of their respective companies. Product specifications and availability are subject to change without notice. ©Copyright 2014, Pelco, Inc. All rights reserved.