

RK5000PS-5U Rack Mount CHASSIS FOR ENDURA™ SYSTEM MODULES



Product Features

- Mounts in Standard 19-inch Rack
- Hot-Swappable Internal Power Supply When Used with Optional EPS5000-300
- Thermal Management Included
- Optional Redundant External Power Supply
- Optional Blank Modules
- Integrates with Pelco Fiber Modules Via RK5001-1UEXP
- 5 Rack Units (RU) High



OPTIONAL EPS5000-300

The **RK5000PS-5U** chassis has an internal power supply and can contain up to 12 Endura™ system modules. The modules and the internal power supply with thermal management are 5 rack units (RU) high. The internal power supply powers all modules and can be replaced easily if it fails. The Pelco badge on the front of the power supply illuminates blue when the power supply is running. The chassis is designed to mount into an EIA-standard, 19-inch rack.

The **RK5000PS-5U** chassis includes a fan and baffle for cooling the modules. This unique feature adds extended reliability while only utilizing 1 RU of rack space.

The internal power supply has a relay output connector that is directly wired to the power and is a normally closed (N.C.) dry contact. If the power supply fails, the relay opens and the blue Pelco badge will turn off. The internal power supply includes a spare fuse.

Optional blank modules (RK5001B-4U) can be inserted into empty module slots to create a clean, full-rack look.

The EPS5000-300 is an optional redundant external power supply that can power up to two fully populated **RK5000PS-5U** chassis. The EPS5000-300 consists of dual 300 W power supplies that slide into a hot-swapping tray system and can be mounted into an EIA-standard, 19-inch rack.

The EPS5000-300 has a relay output connector that is directly wired to the power and is a normally closed (N.C.) dry contact. If the power supply fails, the relay opens and the blue Pelco badge will turn off. Each power supply includes a spare fuse.

The EPS5000-300 comes with two over-molded cables that connect to the **RK5000PS-5U** chassis.

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TECHNICAL SPECIFICATIONS

MODELS

RK5000PS-5U Rack mount chassis for up to 12 Endura modules; internal power supply

RK5000PS-5U

Electrical

Input Voltage 100-240 VAC, 50-60 Hz, autoranging
Output Voltage 12 VDC
Power Consumption 300 watts, 154 BTU/H (non-inclusive of components within the rack)
Fuse 4 amps/250 V
Redundant Capability Yes with optional EPS5000-300 power supply

Mechanical

Number of Slots 12 for modules and 2 for power supply
Module Orientation Vertical
Rack Units 5 (includes thermal management)
Construction Aluminum
Finish Black

General

Operating Temperature 32° to 122°F (0° to 50°)
Operating Humidity 80% maximum relative humidity, noncondensing
Storage Humidity 95% maximum relative humidity, noncondensing
Dimensions 15.50" D x 17.70" W x 8.72" H (39.37 x 44.96 x 22.15 cm)
Mounting Fits 19-inch, EIA-standard rack
Unit Weight 12.7 lb (5.76 kg), with power supply
37.8 lb (17.15 kg), fully populated
Shipping Weight 44 lb (19.93 kg)

EPS5000-300

Electrical

Input Voltage 100-240 VAC
Output Voltage 12 VDC
Power Consumption 600 watts, 308 BTU/H
Fuse 4 amps

Mechanical

Rack Units 1
Construction Aluminum
Finish Black

General

Operating Temperature 32° to 122°F (0° to 50°)
Operating Humidity 80% maximum relative humidity, noncondensing
Dimensions 12.00" H x 17.40" W x 1.73" D (30.48 x 44.20 x 4.39 cm)
Mounting Fits 19-inch, EIA-standard rack
Unit Weight 16.5 lb (7.48 kg)
Shipping Weight 19 lb (8.62 kg)

CERTIFICATIONS

- CE, Class A
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class A
- Complies with Argentina compliance requirements under Res. 92/98.

SUPPLIED ACCESSORIES

RK5000PS-5U One power supply
Two power cords (one USA standard and one European standard)
One UK standard power cord (250 VAC, 3 prongs, molded connector, 6 ft or 1.8 m)
Four screws and washers for rack mounting

OPTIONAL ACCESSORIES

RK5001B-4U Single-width blank module
EPS5000-300 External rack mountable power supply; dual 300 W power supplies
RK5001-1UEXP Adapter kit that allows a 3 RU single-width, double-width or triple-width fiber module to be used in an RK5000PS-5U rack mount chassis



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