

# ENFORCER®

## PH-U1820-PULQ

### Rack-Mount DC CCTV Power Supply

### Manual



AUDIO/VIDEO APPARATUS  
26BZ



#### Features:

- 18 Outputs, 20A total
- PTC fuse protected outputs, 16 outputs at 1.6A and 2 outputs at 5A
- 11.7~13.6 VDC field-adjustable output
- 110/220 VAC Input with selection switch
- LCD Display of output voltage and total output current
- LED Status indicators for each output
- Removable screw terminal blocks for convenient installation and reliable connections
- For rack mounting or stacking on a shelf
- Compact 1U size fits standard racks
- Attractive, high-tech industrial design

# ENFORCER Rack-Mount DC CCTV Power Supply

## Introduction:

The ENFORCER Rack-Mount DC CCTV Power Supply includes a LCD display of output current and voltage and fits into standard 19" IT racks to integrate smoothly into an existing rack-mount setup. The unit provides flexible power and mounting options to best suit a company's CCTV power needs in an attractive, compact package.

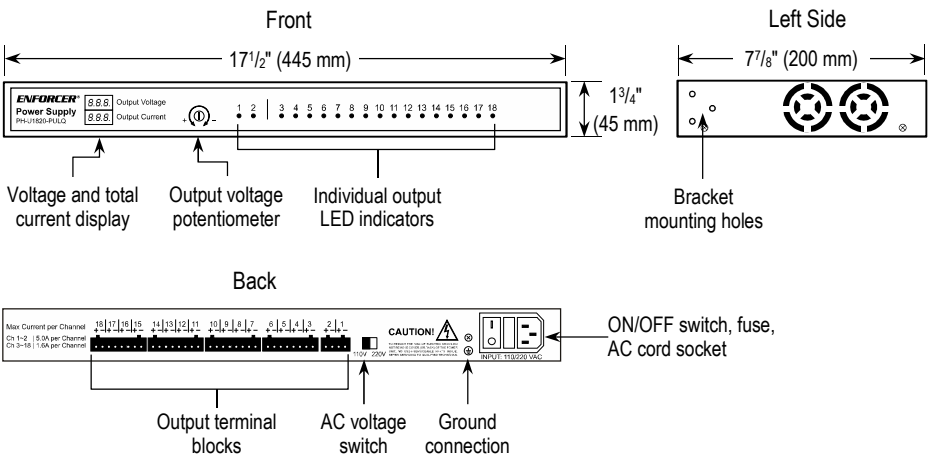
## Parts List:

1x Rack-mount power supply	1x Power cord	6x Bracket mounting screws
2x Rack mounting brackets	4x 8-Port terminal blocks	1x 4-Port terminal block
1x Manual		

## Specifications:

Input voltage	110/220 VAC (with selection switch)	
Input fuse	Glass, 10A	
Number of outputs	18	
Maximum current per output	Ch. 1~2	5A
	Ch. 3~18	1.6A
Output fuse type	PTC	
Output voltage	Adjustable, 11.7~13.6 VDC	
Rack-mount height	1U	
Operating humidity	Up to 90%, non-condensing	
Operating temperature	-14°~86° F (-26°~30° C)	
Dimensions	13/4"x17 1/2"x7 7/8" (45x445x200 mm)	
Weight	5-lb 7-oz (2.47kg)	

## Overview:



## Installation Notes:

1. **Double-check DC output voltage on the unit's display and test at the camera end of each power cable before connecting cameras.**
2. **FOR INDOOR USE ONLY.** Do not install the unit outdoors or expose it to rain or moisture.
3. For professional installation and use only. Installation must conform to all local codes.
4. Avoid installing the unit near heat-generating or heat-sensitive equipment.
5. To prevent shock, do not open the housing. There are no user-serviceable parts inside.

## Mounting:

1. Decide on a location to install the unit, away from moisture, high humidity, heat sources, etc.
2. Make sure there is enough space around the unit so air can flow in and out for cooling.
3. Be sure ventilation holes are not blocked by other equipment, rack housing, walls, etc.
4. To avoid undesirable operation in either the product or other equipment place the unit at least 12" (30cm) from any television monitor or other radiation-producing, radiation-sensitive, or heat-producing equipment such as heaters, radiators, etc.

**NOTE:** Units may also be placed on a shelf/table and stacked one on top of the other, or with other equipment. However, make sure no ventilation holes are blocked.

5. Install the brackets to both sides of the power supply using the included bracket mounting screws (Fig. 1).
6. Find an unused 1U space in the equipment rack and screw the unit in place (rack mounting screws not provided), leaving at least 0.5U **above and below** the unit for ventilation (Fig.2).

Fig. 1

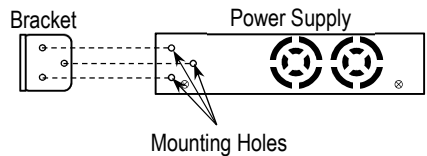
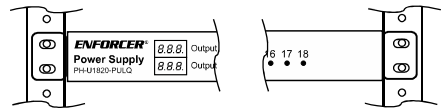


Fig. 2



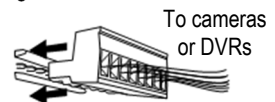
## NOTES:

- A. No rear support rails are needed.
- B. At extreme temperatures, the power panel may take up to 30 seconds to boot when first connected to power.

## Wiring:

1. Connect equipment power input cables to the provided terminal blocks' screw terminals side by side in N/P pairs. Note that 1~2 are for higher current draw equipment (5A) such as DVRs.
2. Screw the terminals closed. Once done, reinsert the terminal blocks back into their slots (Fig. 3).
3. Adjust voltage using the output voltage potentiometer.
4. Ensure that the AC voltage switch is set to the correct voltage and connect the unit's power cord to an electrical outlet and switch on the unit.
5. Front-panel LEDs should glow green for each camera/DVR to show output is on.
6. Test the output at the camera end of each power cable to be sure voltage is correct.

Fig. 3



# ENFORCER Rack-Mount DC CCTV Power Supply

## Replacing the Main Fuse:

1. The main fuse is at the back of the unit, between the AC cord socket and the ON/OFF switch.
2. To check or replace the fuse, first power down the unit and disconnect the power cord.
3. Use a flat-head screwdriver to gently lever the fuse holder out at the place indicated in the diagram below. Be careful not to damage the soft plastic fuse holder with the screwdriver.

## Troubleshooting:

Power does not turn on	<ul style="list-style-type: none"><li>• Check front panel LEDs and rear main fuse.</li><li>• Ensure the power cord is firmly in its socket.</li></ul>
Power cycles on and off	<ul style="list-style-type: none"><li>• The unit may be overheating. Check for heat sources nearby and ensure ventilation holes are free from obstruction.</li></ul>
Voltage drop is large	<ul style="list-style-type: none"><li>• Use 18 gauge or thicker wire.</li></ul>
The camera case is hot	<ul style="list-style-type: none"><li>• Check that the correct power is being supplied.</li></ul>

## Also Available from SECO-LARM®:

### 12VDC Switching CCTV Power Supplies



PC-U1820-PULQ shown

### Power Adapters



ST-UV12-S2.0Q shown

### 4-Channel "Brick" Power Supply



PA-U0405-NULQ

**CAUTION:** To reduce the risk of electric shock, do not open the product case. There are no user serviceable parts inside. Refer servicing to qualified service personnel.



**CAUTION**

**RISK OF SHOCK  
DO NOT OPEN**



**WARRANTY:** This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for one (1) year from the date of sale to the original customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM and the purchaser's exclusive remedy, shall be limited to the replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damage of any kind to the purchaser or anyone else.

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