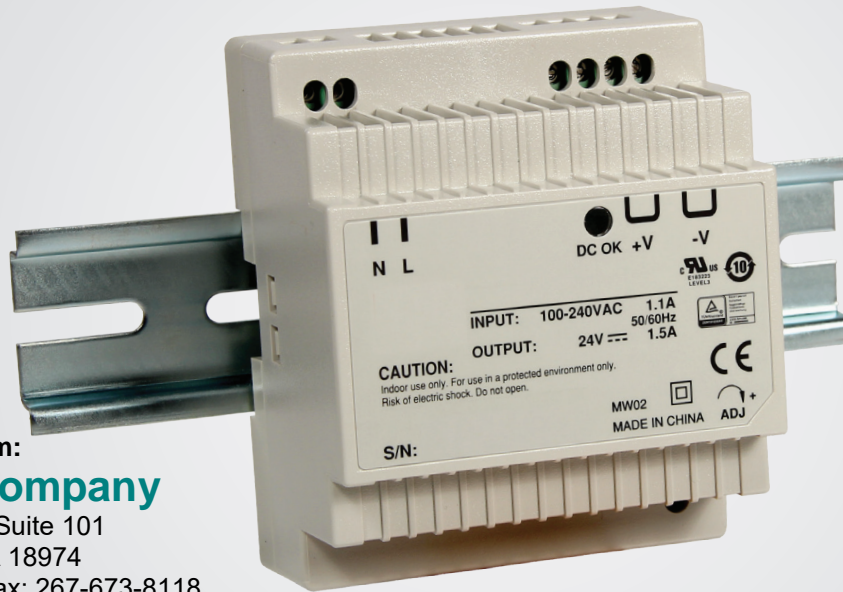


# PDA1024-01

## DIN-Rail Mounted 24 VDC Power Supply



Order from:

**C A Briggs Company**

622 Mary Street; Suite 101  
Warminster, PA 18974

Phone: 267-673-8117 - Fax: 267-673-8118  
[Sales@cabriggs.com](mailto:Sales@cabriggs.com) - [www.cabriggs.com](http://www.cabriggs.com)



**POWER SUPPLY**

## GENERAL SPECIFICATIONS

**Input Voltage:** 85 ~ 264VAC 120 ~ 370VDC

**Output Voltage:** 21.6 ~ 26.4 VDC;  $\pm 10\%$  1.5A rated current.  
See output rating table below.

**Input Frequency:** 47 ~ 63Hz

**AC Current:** 0.88A/115VAC 0.48A/230VAC

**Inrush Current:** 15A/115VAC 30A/230VAC cold start

**Connections:** Two screw terminals for +V,  
two screw terminals for V-

**Setup, Rise Time:** 100ms, 30ms/230VAC 100ms,  
30ms/115VAC at full load

**Hold Time:** 100ms/230VAC 21ms/115VAC at full load

**Over Load Protection:** 105 ~ 160% rated output power.  
Constant current limiting, recovers automatically after fault  
condition is removed

**Over Voltage Protection:** Shut down o/p voltage, re-power  
on to recover

**Working Temperature:** -20° to +60°C

**Working Humidity:** 20% to 90% RH non-condensing

**Storage Temperature, Humidity:** -40° to +85°C,  
10% to 95%RH

**Temperature Coefficient:**  $\pm 0.03\%/^{\circ}\text{C}$  (0 to 50°C)

**Vibration:** 10 ~ 500Hz, 2G 10min./1cycle, period for 60min.  
each along X, Y, Z axes

**Safety Standards:** UL60950-1, TUV EN60950-1 Approved,  
Design refer to EN50178

**Withstand Voltage:** I/P-O/P:3KVAC

**Isolation Resistance:** I/P-O/P:100M Ohms/500VDC

**EMC:** Compliance to EN55011,EN55022 (CISPR22) Class B,  
EN61000-3-2,-3

EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024,  
EN61000-6-1, EN61204-3 Light industry, Criteria A

**MTBF:** 441.5K hrs min. MIL-HDBK-217F (25°C)

**Dimensions:** 3.07" x 3.66" x 2.20" (78 mm x 93 mm x 56 mm)  
(W x H x D)

## Output Ratings

| DC Voltage | Rated Current | Current Range | Rated Power | R&N   | Volt. Adj.   | Tol.        | Line Reg.   | Load Reg.   | Eff. |
|------------|---------------|---------------|-------------|-------|--------------|-------------|-------------|-------------|------|
| 24V        | 1.5A          | 0-1.5A        | 36W         | 150mV | 21.6 ~ 26.4V | $\pm 1.0\%$ | $\pm 1.0\%$ | $\pm 1.0\%$ | 83%  |

## Ordering Guide

| Model      | Description                      |
|------------|----------------------------------|
| PDA1024-01 | 24 VDC Power Supply for DIN Rail |
| PDA1002    | 6" DIN Rail Mounting Kit         |

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