

# DRP Power Supply Series

240 W power supply for DIN-rail mounted products



## Feature and Benefits

- 240 W high power wattage
- 48 VDC power output
- -10 to 70°C operating temperature ability
- Compact form factor

## Certifications



## Introduction

The DRP Power Supply Series provides a reliable 48 VDC power source for industrial control systems. This series has passed a 100% full load burn-in test, is UL/CUL listed, and CE marked. Furthermore, the series has an operating temperature range of -10 to 70°C and a three year warranty, which ensures suitability for operating in harsh environments.

## Specifications

### Output Power Parameters

Wattage	240 W
Voltage	48 VDC
Current Rating	0 to 5 A
Ripple and Noise	150 mVp-p
Voltage Adjustment Range	48 to 53 VDC
Setup/Rise Time at Full Load	800 ms, 40 ms at 115 VAC 800 ms, 40 ms at 230 VAC
Typical Hold Up Time at Full Load	24 ms at 230 VAC 24 ms at 115 VAC

### Input Power Parameters

Voltage Range	85 to 264 VAC (47 to 63 Hz) 120 to 370 VDC
Typical Efficiency	85%
Typical Current	1.4 A @ 230 VAC, 2.8 A @ 115 VAC
Inrush Current (cold start)	40 A @ 230 VAC, 27 A @ 115 VAC

### Overload Protection

Rated Output Power	105 to 150%
Protection Type	Constant current limiting, recovers automatically after fault condition is removed

## Overvoltage Protection

Over-Voltage Range	54 to 60 V
Protection Type	Shut down operating voltage, repower on to recover

## Physical Characteristics

Dimensions	40 x 90 x 100 mm (1.57 x 3.54 x 3.94 in)
Weight	1,200 g (2.65 lb)

## Environmental Limits

Operating Temperature	10 to 70°C (14 to 158°F)
Max. Operating Temperature at Full Load	55°C @ 230 VAC 40°C @ 110 VAC
Ambient Relative Humidity	20 to 90% (non-condensing)

## Standards and Certifications

EMC	EN 50082-2 EN 55022 Class B EN 61000-3-2 Class A ENV 50204
Safety	EN 60950-1

## Warranty

Warranty Period	3 years
Details	See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>

## Package Contents

Device	1 x DRP Power Supply Series power supply
Documentation	1 x warranty card

## Ordering Information

Model Name	Input Voltage	Output Voltage	Output Wattage	Operating Temp.
DRP-240-48	85 to 264 VAC 120 to 370 VDC	48 VDC	240 W	-10 to 70°C

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