



## Features



DIMENSIONS: 104(H)x76(D)x45(W)mm  
WEIGHT: 190g

- Din Rail/ Screw Mounting Dual Purpose
- Convection cooled
- Wide input range
- 100% full load burn-in test
- MOSFET designed
- 350,000Hrs MTBF as per MIL-HDBK-217F
- 2-year warranty
- Custom output voltages on request: 3V~200VDC
- Split rail & Series connection of units possible

## General specifications

INPUT

Input range	90~264VAC 127~380VDC
Input frequency	47~63Hz
Inrush current (25° C)	40A/220VAC

OUTPUT

Hold-up time	16mS
Short protection	Autorecovery
Overload protection	Automatic power limited
Over voltage protection	Optional

## Detailed specifications

20 & 24Watts

MODEL	O/P Volt Adj. ± %	Load(Current) <sup>1</sup>			Ripple & Noise <sup>4</sup>	Line REG. <sup>2</sup>	Load REG. <sup>3</sup>	Efficiency <sup>5</sup>	O.V.P. Trip point
		Min.	Rated	Max.					
RP1020D-05F	V1: +5V ±10%	0A	4.0A	4.0A	50mVp-p	±1%	±1%	60% Min.	6 ~ 7.5V
RP1024D-12F	V1: +12V ±10%	0A	2A	2A	100mVp-p	±1%	±1%	70% Min.	14 ~ 17V
● RP1024D-15F	V1: +15V ±10%	0A	1.6A	1.6A	150mVp-p	±1%	±1%	71% Min.	17 ~ 22V
RP1024D-24F	V1: +24V ±10%	0A	1A	1A	150mVp-p	±1%	±1%	71% Min.	28 ~ 34V

## EMC Standards

EN55022 Class B, EN55024  
EN61000-3-2, EN61000-3-3  
IEC 61000-4-2, IEC 61000-4-3  
IEC 61000-4-4, IEC 61000-4-5  
IEC 61000-4-6, IEC 61000-4-8  
IEC 61000-4-11

## Safety Standards

UL 60950 Approval  
CSA 60950 Approval  
CE EN 60950 Approval

## Environments

**Operating Temperature** -15 to 50°C, Ambient  
**Operating Humidity** 5 to 95% RH, Non Condensing  
**Storage Temperature** -20 to 85°C, Ambient  
**Vibration** 2G, 10 to 500Hz, 3 axes

- NOTE:**
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
  2. Line regulation is measured from low input voltage to high input voltage at rated load.
  3. Load regulation is measured from 20% to 100% of rated load at 110VAC input.
  4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and at 110VAC input.
  5. Efficiency is measured at rated load and at 110VAC input.
  6. Hold-up time is measured at rated load and at 110VAC input.
  7. Units marked with ● only have CE approval.

Reign Power reserve the right to modify specifications at any time without notice

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