



Patents held

## Features



DIMENSIONS: 100(H)\*110(D)\*90(W)mm  
WEIGHT: 830g

- Din Rail Mounting (optional bracket for chassis mounting)
- Convection cooled
- 100% full load burn-in test
- Easy mounting (one-step installation)
- Excellent EMC Characteristics
- Wide Range Universal Input
- Removable Plug & Socket Style Terminals
- 2 year Warranty
- 230,000Hrs MTBF per MIL-HDBK-217F
- Split rail & Series connection possible
- Custom output voltages on request: 3V~200VDC

## General specifications

### INPUT

Input range

90~264VAC  
127~380VDC

Input frequency  
Inrush current (25° C)

47~63Hz  
20A/110VAC  
40A/220VAC

power factor

95% Min

### OUTPUT

Hold-up time

16mS

Short protection

Autorecovery

Overload protection

Automatic power limited

Over voltage protection

Autorecovery

Power Ready Signal (Optional)

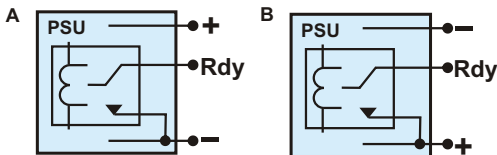
Redundant function (Optional)

## Detailed specifications

### 200 Watts

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.					
RP1200D-12C	V1: +12V ±10%	0A	16.6A	16.6A	100mVp-p	±1%	±1%	77% Min.	15 ~ 18V
RP1200D-24C	V1: +24V ±10%	0A	8.3A	8.3A	250mVp-p	±1%	±1%	79% Min.	27.6 ~ 31V
RP1200D-48C	V1: +48V ±10%	0A	4.2A	4.2A	250mVp-p	±1%	±1%	80% Min.	54 ~ 60V

## Rdy Connection



A: Rdy Internal Connection of T Type Terminal Block  
B: Rdy Internal Connection of E Type Terminal Block

Please Select Functions:-  
Fill in the blanks with appropriate letter

Order Code: RP1200D-24C

Optional Functions:

Terminal Block: "T" : Barrier Terminal Block

"E" : Removable Plug & Socket Terminals

Without Function: "N"

(Leave blank for redundant function + "Rdy" signal options)

## EMC Standards

EN55022 CLASS B, EN55024  
EN61000-3-2, EN61000-3-3  
IEC61000-4-2, IEC 61000-4-3,  
IEC61000-4-4, IEC 61000-4-5,  
IEC61000-4-6, IEC 61000-4-8,  
IEC61000-4-11

## 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. (Redundant function Spec.add 0.6V.)
  4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel with 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.

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

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**REIGNPOWER**  
S.M.P.S