



Patents held

## Features



DIMENSIONS: 100(H)\*110(D)\*90(W)mm  
WEIGHT: 820g

- 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
- 210,000Hrs 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	47~63Hz
Inrush current (25° C)	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

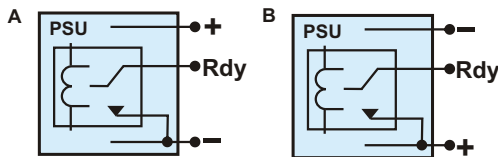
Power Ready Signal (Optional)  
Redundant function (Optional)

## Detailed specifications

### 120 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.					
RP1120D-12C	V1: +12V ±10%	0A	10A	10A	100mVp-p	±1%	±1%	73% Min.	15 ~ 18V
RP1120D-24C	V1: +24V ±10%	0A	5A	5A	150mVp-p	±1%	±1%	75% Min.	27.6 ~ 31V
RP1120D-48C	V1: +48V ±10%	0A	2.5A	2.5A	250mVp-p	±1%	±1%	76% Min.	52 ~ 58V

## Rdy Connection



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

Order Code: RP1120D-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  
EN61000-3-2, EN61000-3-3  
EN55024(IEC61000-4-2,  
IEC61000-4-3, IEC61000-4-4  
IEC61000-4-5, IEC61000-4-6  
IEC61000-4-8, 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