

All the patents are held accountable counterfeiting.

## Features



DIMENSIONS: 100(H)\*110(D)\*90(W)mm  
WEIGHTS: 720g

- **Din Rail/ Screw Mounting Dual Purpose**
- **Convection cooled**
- **100% full load burn-in test**
- **Easy mounting (one-step installation)**
- **Separation of AC and DC, Excellent of Electromagnetic interference**
- **RoHS & EMI test and strictness on quality**
- **2 year Warranty**
- **230,000Hrs MTBF per MIL-HDBK-217F**
- **Split rail & Series connection possible**
- **Output modify range: 3V~200VDC**

## General specifications

### INPUT

Input range	90~132/180~264VAC (Selectable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC

### OUTPUT

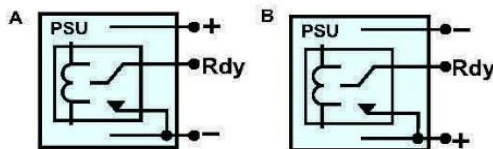
Hold-up time	16mS
Short protection	Autorecovery
Overload protection	Automatic power limited
Over voltage protection	Autorecovery
Power Ready Signal (Optional)	
Redundant function (Optional)	

## Detail 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-12M	V1: +12V ±10%	0A	10A	10A	100mVp-p	±1%	±1%	78% Min.	15 ~ 18V
RP1120D-24M	V1: +24V ±10%	0A	5A	5A	250mVp-p	±1%	±1%	80% Min.	27.6 ~ 31V
RP1120D-48M	V1: +48V ±10%	0A	2.5A	2.5A	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 Choose Fit Function, And Fill In The Blank With Suitable Words.

Order Model: RP1120D-24M    
**Optional Function:**  
 Terminal Block: "T" : PCB Barrier Terminal Block  
 "E" : Mini Terminal Block  
**Without Function: "N"** ←  
 Power Ready Signal and Redundant

## EMC Standards

EN 55022 CLASS B  
 EN 61000-3-3, EN 55024  
 (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

CUL 508 APPROVAL  
 UL/CSA 60950 APPROVAL  
 CE Marking

## Environments

**Operating Temperature** -15 ~ 50°C, Ambient  
**Operating Humidity** 5 ~ 95% RH, No Condensing  
**Storage Temperature** -20 ~ 85°C, Ambient  
**Vibration** 2G, 10~500Hz, 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 line to high line at rated load.
  3. Load regulation is measured from 20% to 100% of rated load at 110VAC input. (Redundant function Sepc. 0.6V Add.)
  4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
  5. Efficiency is measured at rated load and 110VAC input.
  6. Hold-up time is measured at rated load and 110VAC input.
  7. Reign Power reserve the right to change specifications at any time without notice.