



## Features



DIMENSIONS: 100(H)\*83(D)\*49(W)mm  
WEIGHTS: 370g

- 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
- 300,000Hrs MTBF per MIL-HDBK-217F
- Split rail & Series connection possible
- Output modify range: 3V~200VDC

## General specifications

### INPUT

Input range 90~264VAC  
127~380VDC  
Input frequency 47~440Hz  
Inrush current (25° C) 20A/110VAC  
40A/220VAC

### OUTPUT

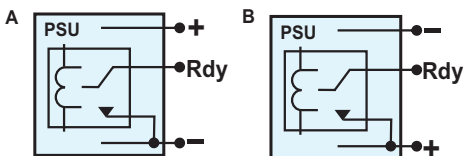
Hold-up time 16mS  
Short protection Autorecovery  
Overload protection Automatic power limited  
Over voltage protection Optional  
Power Ready Signal (Optional)  
Redundant function (Optional)

## Detail specifications

### 45 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) 1			Ripple & Noise 4	Line REG. 2	Load REG. 3	Efficiency 5	O.V.P. Trip point
		Min.	Rated	Max.					
RP1045D-05F	V1: +5V ±10%	0A	9.0A	9.0A	50mVp-p	±1%	±1%	69% Min.	6 ~ 7.5V
RP1045D-12F	V1: +12V ±10%	0A	3.75A	3.75A	100mVp-p	±1%	±1%	70% Min.	14 ~ 17V
RP1045D-24F	V1: +24V ±10%	0A	1.875A	1.875A	150mVp-p	±1%	±1%	75% Min.	28 ~ 34V
RP1045D-48F	V1: +48V ±10%	0A	1.0A	1.0A	300mVp-p	±1%	±1%	77% Min.	55 ~ 67V

## 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: RP1045D-24F     
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 61000-3-2 CLASS A  
EN 61000-3-3, EN 55024  
(IEC 61000-4-4, 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 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 is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
  5. Efficiency is measured at rated load and 110VAC input [the above form is Non-backup function power, a formula for the efficiency of backup function model is the rated power/ (the rated power/ the efficiency of non-backup function+ the rated output current\*0.6)].
  6. Hold-up time is measured at rated load and 110VAC input.

**Reign Power reserve the right to change specifications at any time without notice.**

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