

# AC → DC SWITCHING POWER SUPPLY

All the patents are held accountable counterfeiting.

## Features



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

- 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
- 210,000Hrs 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	47~63Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC
Power Factor	95% Min.

### OUTPUT

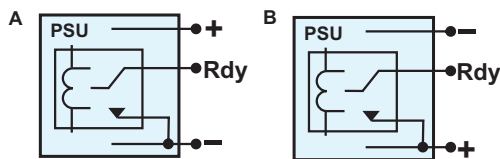
Hold-up time	16mS
Short protection	Autorecovery
Overload protection	Automatic power limited
Over voltage protection	Autorecovery
Power Ready Signal (Optional)	
Redundant function (Optional)	

## Detail specifications

### 120 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.					
DPSU/10/12	V1: +12V ±10%	0A	10A	10A	100mVp-p	±1%	±1%	73% Min.	15 ~ 18V
DPSU/5/24	V1: +24V ±10%	0A	5A	5A	150mVp-p	±1%	±1%	75% Min.	27.6 ~ 31V

## 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-24C

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, EN 61000-3-3  
EN55024 (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 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 Sepec. 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.
  6. Hold-up time is measured at rated load and 110VAC input.