



AC → DC SWITCHING POWER SUPPLY

RP1120D C SERIES

All the patents are held accountable counterfeiting.

Features



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

- Convection cooled
- **Din Rail/ Screw Mounting Dual Purpose**
- 100% full load burn-in test
- Easy mounting (one-step installation)
- Separation of AC and DC, Excellent of Anti-Electromagnetic interference
- Strictly RoHS & EMI test on quality
- 2 year Warranty
- **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

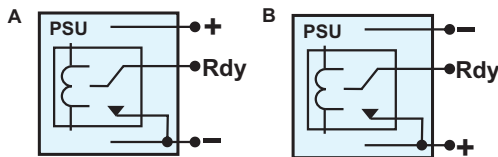
| | |
|-------------------------------|-------------------------|
| Hold-up time | 16mS |
| Short protection | Autorecovery |
| Overload protection | Automatic power limited |
| Over voltage protection | Autorecovery |
| Power Ready Signal (Optional) | |
| Redundant function (Optional) | |

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. | | | | | |
| 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 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

CE Standards

EN 55022 CLASS B,
EN 61000-3-2, EN 61000-3-3,
EN 55024, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)

Safety Standards

UL 60950 APPROVAL
CUL 60950 APPROVAL
CE Marking

Environments

Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 20 ~ 90% 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 220VAC input. (Redundant function Sepc. 0.6V Add.)
 4. Ripple & Noise are measured with 20MHz oscilloscope at 220VAC by using a 20cm long 12" twisted pair-wire with a 0.1uF/630V metal capacitor & a 47uF electrolytic capacitor parallel on the test point.
 5. Efficiency is measured at rated load and 220VAC input.
 6. Hold-up time is measured at rated load and 220VAC input.
 7. Output Voltage Adjustable is measured on 5% of rated load.
 8. Reign Power reserve the right to change specifications at any time without notice.

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