



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 |

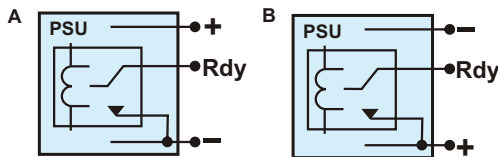
Power Ready Signal (Optional)
Redundant function (Optional)

Detailed specifications

120 Watts

| MODEL | O/P Volt Adj. ± % | Load(Current) 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



A: Rdy Internal Connection of T Type Terminal Block
B: Rdy Internal Connection of E Type Terminal Block

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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