

Patents Held

Features



DIMENSIONS: 210(L)*110(W)*109.5(H)mm
WEIGHT: 1790g

- Din Rail Mounting (optional bracket for chassis mounting)
- Speed Controlled Fan Cooling
- 100% full load burn-in test
- MOSFET designed
- 110,000Hrs MTBF as per MIL-HDBK- 217F
- 2-year warranty
- Custom output voltages on request: 3V~200VDC
- Split rail & Series connection of units possible

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

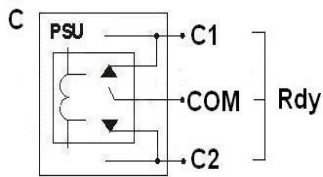
Hold-up time 10mS
Short protection Autorecovery
Overload protection Automatic power limited
Over voltage protection Autorecovery
Power Ready Signal (Optional)
Redundant function (Optional)

Detailed specifications

500 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. | | | | | |
| RP1500D-12C | V1: +12V ±10% | 0A | 41.6A | 41.6A | 100mVp-p | ±1% | ±1% | 78% Min. | 15 ~ 18V |
| RP1500D-24C | V1: +24V ±10% | 0A | 20.8A | 20.8A | 150mVp-p | ±1% | ±1% | 80% Min. | 27.6 ~ 31V |
| RP1500D-48C | V1: +48V ±10% | 0A | 10.4A | 10.4A | 250mVp-p | ±1% | ±1% | 82% Min. | 54 ~ 60V |
| RP1500D-110C | V1: +110V ±10% | 0A | 4.5A | 4.5A | 1100mVp-p | ±1% | ±1% | 83% Min. | ----- |
| RP1500D-125C | V1: +125V ±10% | 0A | 4A | 4A | 1250mVp-p | ±1% | ±1% | 83% Min. | ----- |

Rdy Connection



Please select functions:-

Fill in the blanks with the appropriate letter

Order Code: RP1500D-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

EN55 022 CLAS S A, EN50 082-1
ENV5 0204
EN61 000-3-2, EN61 000-3-3
EN61 00-4-2, EN61 00-4-3,
EN61 000-4-4, EN61 000-4-5,
EN61 000-4-6, EN61 000-4-11

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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