

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

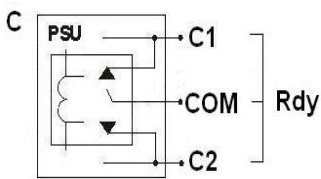
Hold-up time 10mS  
Short protection Autorecovery  
Overload protection Automatic power limited  
Over voltage protection Autorecovery  
Power Ready Signal (Optional)  
Redundant function (Optional)

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