



AC → DC SWITCHING POWER SUPPLY

RP1500D C SERIES

All the patents are held accountable counterfeiting.

Features



UL US
E159228



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

- **Din Rail/ Screw Mounting Dual Purpose**
- **Easy mounting (one-step installation)**
- **Fan speed control (PCB damp proof process)**
- **Isolation between the RDY connection signal and the Primary/Secondary side**
- **RDY signal (normal open & close of Relay contact at 1A)**
- **100% full load burn-in test**
- **2-year warranty**
- **Output modify range: 3V~200VDC**
- **Split rail & Series connection 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

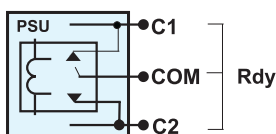
Hold-up time	10mS
Short protection	Autorecovery
Overload protection	Constant current protection
Over voltage protection	Autorecovery
Power Ready Signal (Optional)	
Redundant function (Optional)	

Detail 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	150mVp-p	±1%	±1%	78% Min.	15 ~ 18V
RP1500D-13C	V1: +13V ±10%	0A	38.4A	38.4A	150mVp-p	±1%	±1%	78% Min.	15 ~ 18V
RP1500D-15C	V1: +15V ±10%	0A	33.3A	33.3A	150mVp-p	±1%	±1%	78% Min.	20 ~ 24V
RP1500D-24C	V1: +24V ±10%	0A	20.8A	20.8A	240mVp-p	±1%	±1%	80% Min.	27.6 ~ 31V
RP1500D-48C	V1: +48V ±10%	0A	10.4A	10.4A	1250mVp-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 Choose Fit Function, And Fill In The Blank With Suitable Words.

Order Model: RP1240D-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 55032, EN 55035,
EN 61000-3-2, EN 61000-3-3,
(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)
LVD: EN 62368-1

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. The product uses metal enclosure for cooling. To ensure product lifespan, a clearance of at least 1 cm at the side of the product, 2 cm at top and bottom of the product should be maintained when installing.
 9. Reign Power reserve the right to change specifications at any time without notice.

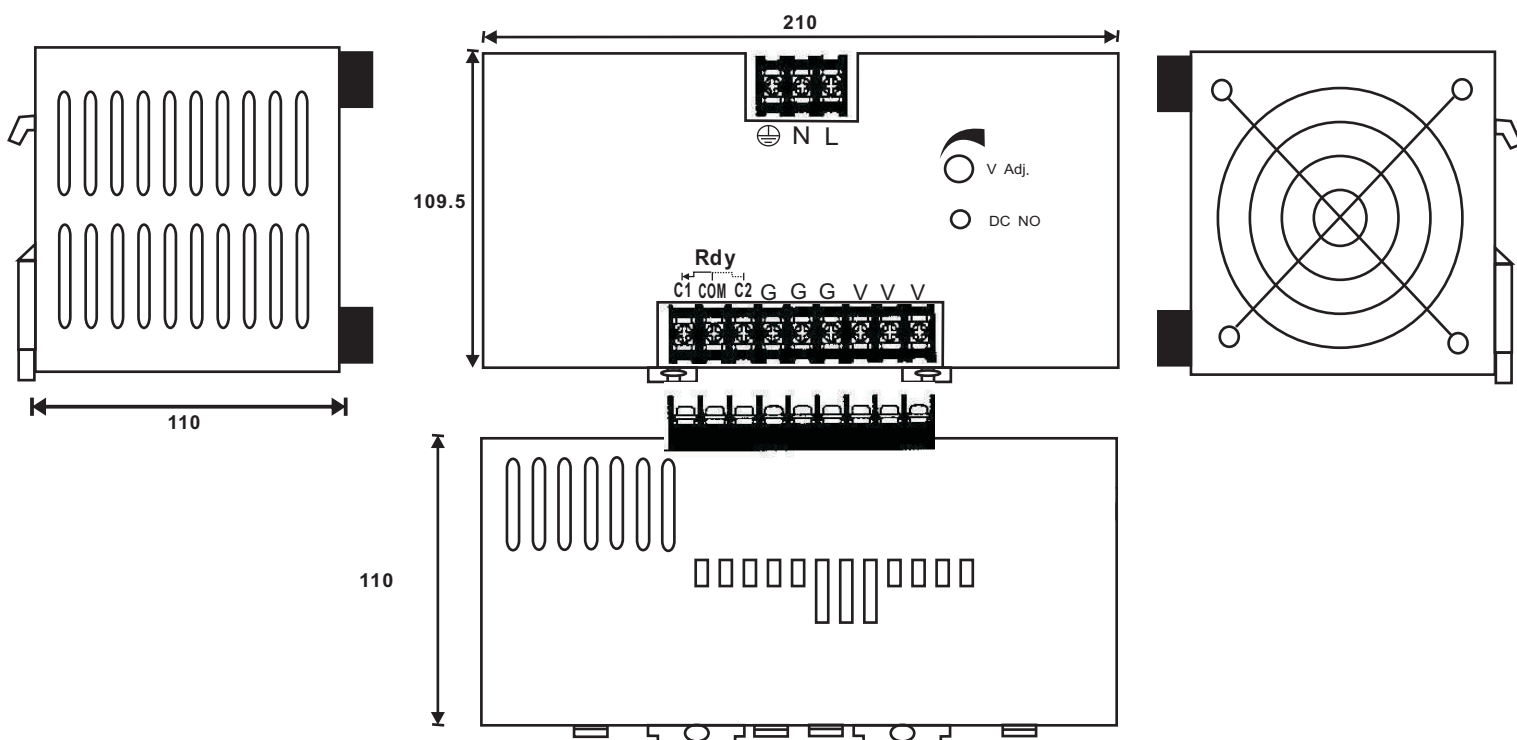


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Mechanical Details



Panel Designation

Designation	Description
N	Neutral Terminal Of AC Input (No Polarity At DC Input)
L	Line Terminal Of AC Input (No Polarity At DC Input)
⊕	Grounding (Earth)
COM	DC Output OK Signal 1A Current Rating 10A Contact Relay
C1	Normal Close Connection
C2	Normal Open Connection
-	DC Negative Output Terminal
+	DC Positive Output Terminal
V ADJ.	Potentiometer For Output Voltage
DC ON	Green LED Indicator

CASE NO. : CS500DR

UNIT: mm

DIMENSIONS:109.5(H)x210(D)x110(W)