



All the patents are held accountable counterfeiting.

## Features

DIMENSIONS: 190(L) x 106(W) x 50(H)mm  
WEIGHTS: 1040g

- Fan speed control(PCB damp proof process)
- Wide input range
- 100% burn-in test
- Burn-in power factor corrector
- Build-in line filter
- Compact size
- MOSFET designed
- 120,000 Hrs MTBF per MIL-HDBK-217F
- 2 years warranty
- Output modify range: 3V~200VDC
- Split rail & Series connection possible

## General specifications

INPUT

Input range	100~240VAC / 127~380VDC
Input frequency	47~63Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC
Power factor	95% Min/110VAC

OUTPUT

Hold-up time	10ms
Short protection	Autorecovery
Overload protection	Automatic power limited
Over voltage protection	Autorecovery

## Detail specifications




**600Watt (220V Input Only, 110V Input 500W Rated, 600W Peak)**

MODEL	O/P Volt Adj. ± %	Load(Current) <sup>1</sup>				Ripple & Noise <sup>4</sup>	Line REG. <sup>2</sup>	Load REG. <sup>3</sup>	Efficiency <sup>5</sup>	O.V.P. Trip point
		Min.	Rated 110V Input	Rated 220V Input	Max.					
RP1600-24CV	V1: +24V ±10%	0A	20.8A	25A	25A	240mVp-p	±1%	±1%	82% Min.	27.6~31V
RP1600-48CV	V1: +48V ±10%	0A	10.4A	12.5A	12.5A	250mVp-p	±1%	±1%	82% Min.	54~60V

## EMC Standards

EN 55022 Class A  
EN61000-3-2, EN61000-3-3  
EN 55024 (IEC EN61000-4-2,  
IEC 61000-4-3, IEC 61000-4-4,  
IEC 61000-4-5, IEC 61000-4-6,  
IEC 61000-4-8, IEC 61000-4-11)

## Safety Standards

 UL 60950 Meet  
 CSA 60950 Meet  
 CE Meet

## Environments

Operating Temperature -15 ~ 50°C, Ambient  
Operating Humidity 5 ~ 95% 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.
  4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 220VAC input.
  5. Efficiency is measured at rated load and 220VAC input.
  6. Hold-up time is measured at rated load and 220VAC
  7. Reign Power reserve the right to change specifications at any time without notice.