

## Features



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

- Fan cooled(PCB damp proof process)
- Wide input range
- 100% burn-in test
- Burn-in power factor corrector
- Build-in line filter
- Compact size
- MOSFET designed
- Output modify range: 3V~400VDC
- Split rail & Series connection possible

## General Specifications

### INPUT

Input range	100~240VAC / 120~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	20A/110VAC 40A/220VAC
Power factor	95% Min

### OUTPUT

Hold-up time	16ms (500W)
Short protection	Auto-recovery
Overload protection	Automatic power limited
Over voltage protection	Auto-recovery


## Detailed Specifications

MODEL	O/P Volt Adj. $\pm$ %	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	Max.					
E1500RP-12	V1: +12V $\pm$ 10%	0A	41.6A	41.6A	150mVp-p	$\pm$ 1%	$\pm$ 1%	80% Min.	15.0 ~ 18V
E1500RP-15	V1: +15V $\pm$ 10%	0A	33.3A	33.3A	150mVp-p	$\pm$ 1%	$\pm$ 1%	80% Min.	20 ~ 24V
E1500EP-24	V1: +24V $\pm$ 10%	0A	20.8A	20.8A	240mVp-p	$\pm$ 1%	$\pm$ 1%	82% Min.	27.6 ~ 31V
E1500RP-48	V1: +48V $\pm$ 10%	0A	10.4A	10.4A	250mVp-p	$\pm$ 1%	$\pm$ 1%	83% 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

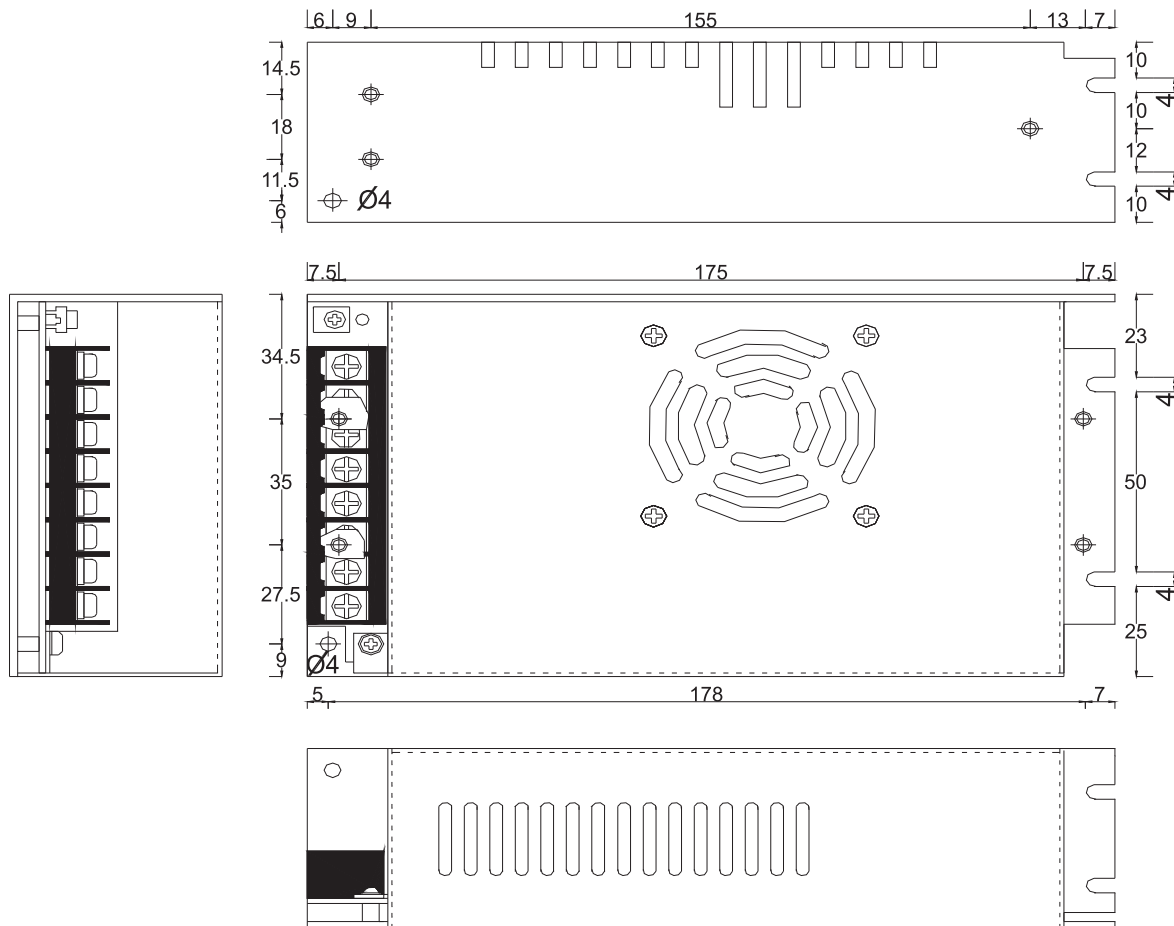
 UL 60950 Approval  
 CSA 60950 Approval  
 CE Marking

### 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 input.

## Mechanical Drawing



## Panel Designation

### PCB Barrier Terminal Block

Pin	Single	Description
1	L	L : Line Terminal of Input N : Neutral Terminal of Input FG : Ground (Earth) <b>No Polarity At DC Input</b>
2	N	
3	FG	
4	G	NC : No connection G : DC Output Ground Terminal Vx : DC Output Terminal <b>(Specify at spec.)</b>
5,6	G	
7,8	V1	

UNIT : mm  
 DIMENSIONS : 190(L) x 106(W) x 50(H)mm  
 MATERIAL : ALUMINUM  
 COLOR : SILVER