



## Features



DIMENSIONS : 100(L) x 64(W) x 26.5(H)mm  
 RP1048-12S : 100(L) x 64(W) x 34(H)mm

- \*Convection cooled
- \*100% burn-in test
- \*No- Load Consumption(0.3W, Optional)
- \*ErP & 80Plus Standard(Optional)
- \*MOSFET designed
- \*2 years Warranty
- \*Output modify range: 3V~200VDC
- \*Split rail & Series connection possible

## General specifications

INPUT

Input range	90~264VAC 127~380VDC
Input frequency	47~440Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	16mS
Short protection	Autorecovery
Overload protection	Automatic power limited
Over voltage protection	Autorecovery

## Detail specifications

20 Watts

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	Max.					
RP1020-05S	V1: +5V ±10%	0A	4A	4A	50mVp-p	±1%	±1%	72% Min.	5.6 ~ 7.0V
• RP20201S	V1: +5V ±10% V2: +12V-----	0A 0A	1.5A 1A	1.5A 1A	50mVp-p 100mVp-p	±1% ±2%	±1% ±4%	70% Min.	5.6 ~ 7.0V -----

30 Watts

• RP20301S	V1: +24V ±10% V2: -12V-----	0A 0A	1A 0.5A	1A 0.5A	300mVp-p 100mVp-p	±1% ±2%	±1% ±4%	74% Min.	27.6 ~ 31V -----
• RP20302S	V1: +8V ±10% V2: -8V-----	0A 0A	2.75A 1A	2.75A 1A	80mVp-p 80mVp-p	±1% ±2%	±1% ±4%	74% Min.	12.0 ~ 14V -----
• RP20303S	V1: +8V ±10% V2: +24V-----	0A 0A	1A 0.9A	1A 0.9A	80mVp-p 300mVp-p	±1% ±2%	±1% ±4%	74% Min.	12.0 ~ 14V -----
• RP20304S	V1: +5V ±10% V2: +24V-----	0A 0A	1.2A 1A	1.2A 1A	50mVp-p 300mVp-p	±1% ±2%	±1% ±4%	74% Min.	5.6 ~ 7.0V -----
• RP20305S	V1: +15V ±10% V2: -15V-----	0A 0A	1A 1A	1A 1A	150mVp-p 150mVp-p	±1% ±2%	±1% ±4%	74% Min.	20.0 ~ 24V -----
• RP20306S	V1: +24V ±10% V2: -24V-----	0A 0A	1A 0.25A	1A 0.25A	300mVp-p 300mVp-p	±1% ±2%	±1% ±4%	74% Min.	27.6 ~ 31V -----

36 Watts

RP1036-12S	V1: +12V ±10%	0A	3A	3A	100mVp-p	±1%	±1%	73% Min.	15.0 ~ 18V
RP1036-24S	V1: +24V ±10%	0A	1.5A	1.5A	150mVp-p	±1%	±1%	75% Min.	27.6 ~ 31V



**48 Watts**

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	Max.					
● RP1030-05S	V1: +5V ±10%	0A	6A	6A	60mVp-p	±1%	±1%	73% Min.	6.25~7.5V
● RP1048-12S	V1: +12V ±10%	0A	4A	4A	100mVp-p	±1%	±1%	73% Min.	15.0~18V
● RP1048-24S	V1: +24V ±10%	0A	2A	2A	200mVp-p	±1%	±1%	73% Min.	27.6~31V
● RP1048-48S	V1: +48V ±10%	0A	1A	1A	300mVp-p	±1%	±1%	73% Min.	54.0~60V

**CE Standards**

EN 55032 , EN 55035 ,  
 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/CUL 60950 Meet  
 CE Meet

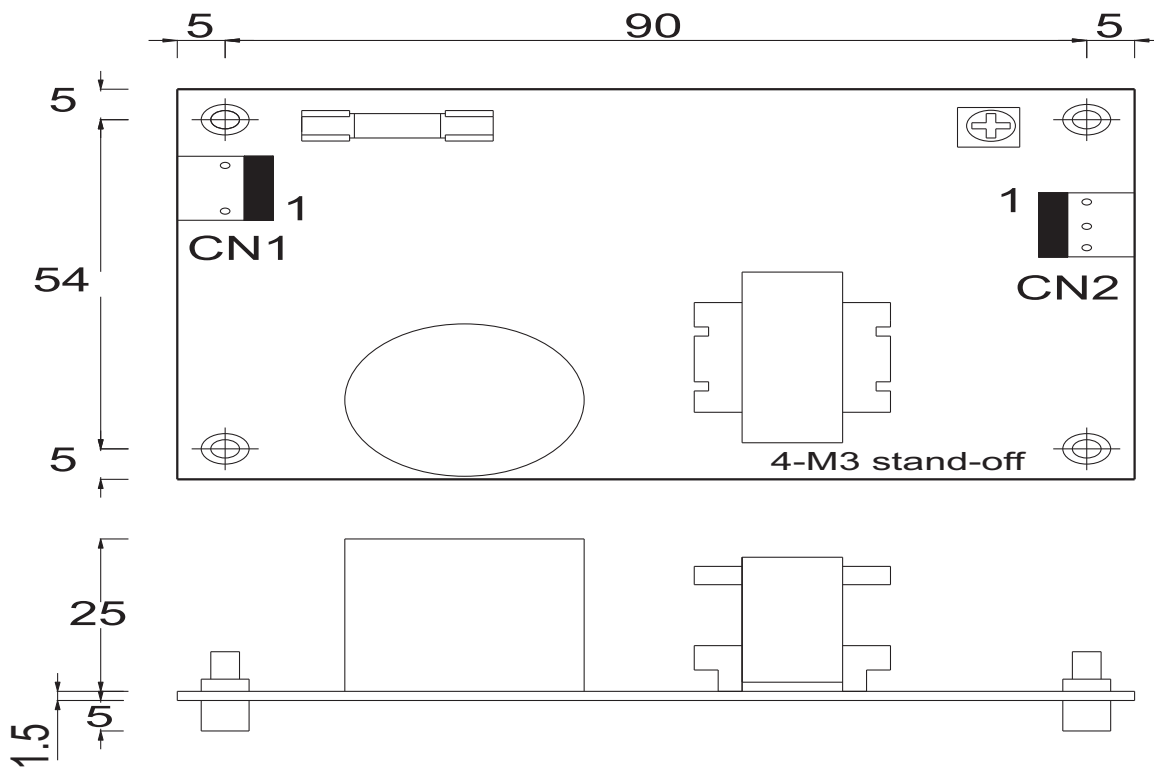
**Environments**

**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:**
- Each output can provide up to maximum load, but total load can not exceed rated output power.
  - Line regulation is measured from low line to high line at rated load.
  - Load regulation is measured from 20% to 100% of rated load at 220VAC input.
  - 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.
  - Efficiency is measured at rated load and 220VAC input.
  - Hold-up time is measured at rated load and 220VAC input.
  - With ● are non-safety approval.
  - Output Voltage Adjustable is measured on 5% of rated load.
  - Reign Power reserve the right to change specifications at any time without notice.



## Mechanical Details



DIMENSIONS :  
100(L) x 64(W) x 31.5(H)mm

## Panel Designation

**Input connector (CN1):**  
3.96mm crimp style connector  
3Pin(Pin 2 no pole) · 3.96mm · JS-4001

Pin	Input	Description
1	N	Neutral Terminal of AC Input
3	L	Line Terminal of AC Input

No Polarity At DC Input

**DC Output Connector (CN2):**  
3.96mm crimp style connector  
Single output: 2Pin · 3.96mm · JS-4001  
Dual output: 3Pin · 3.96mm · JS-4001

Pin	Single	Dual	Description
1	G	V2	G: DC Output Ground Terminal
2	V1	G	Vx: DC Output Terminal
3	/	V1	(Specify at spec.)