



Features



DIMENSIONS : 129(L) x 99(W) x 35(H)mm
WEIGHTS: 410g

- Convection cooled
- 100% burn-in test
- Small size
- MOSFET designed
- 1 year Warranty
- Output modify range: 3V~200VDC

General specifications

INPUT

Input range	90~132/180~264VAC(Switchable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	10mS
Short protection	Autorecovery
Over load protection	Automatic power limited
Over voltage protection	

Detail specifications

Rated 100 Watts / Peak 200Watts

MODEL	O/P Volt Adj. ± %	Load (Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P.
		Min.	Rated	Max.					
LP31001M	V1: +5V ±10% V2: +12V----- V3: +24V-----	0A 0A 0A	3A 1.5A 2.8A	8A 3A 6.9A	60mVp-p 120mVp-p 240mVp-p	±1% ±5% ±5%	±5% ±5% ±5%	75%Min.	6.4~7.25V ----- -----
LP31002M	V1: +5V ±10% V2: -12V----- V3: +12V-----	0A 0A 0A	3A 1.5A 5.5A	8A 3A 13.9A	60mVp-p 120mVp-p 150mVp-p	±1% ±5% ±5%	±5% ±5% ±5%	73%Min.	6.4~7.25V ----- -----
LP31003M	V1: +5V ±10% V2: +12V----- V3: +48V-----	0A 0A 0A	3A 1.5A 1.4A	8A 3A 3.4A	60mVp-p 120mVp-p 480mVp-p	±1% ±5% ±5%	±5% ±5% ±5%	76%Min.	6.4~7.25V ----- -----

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

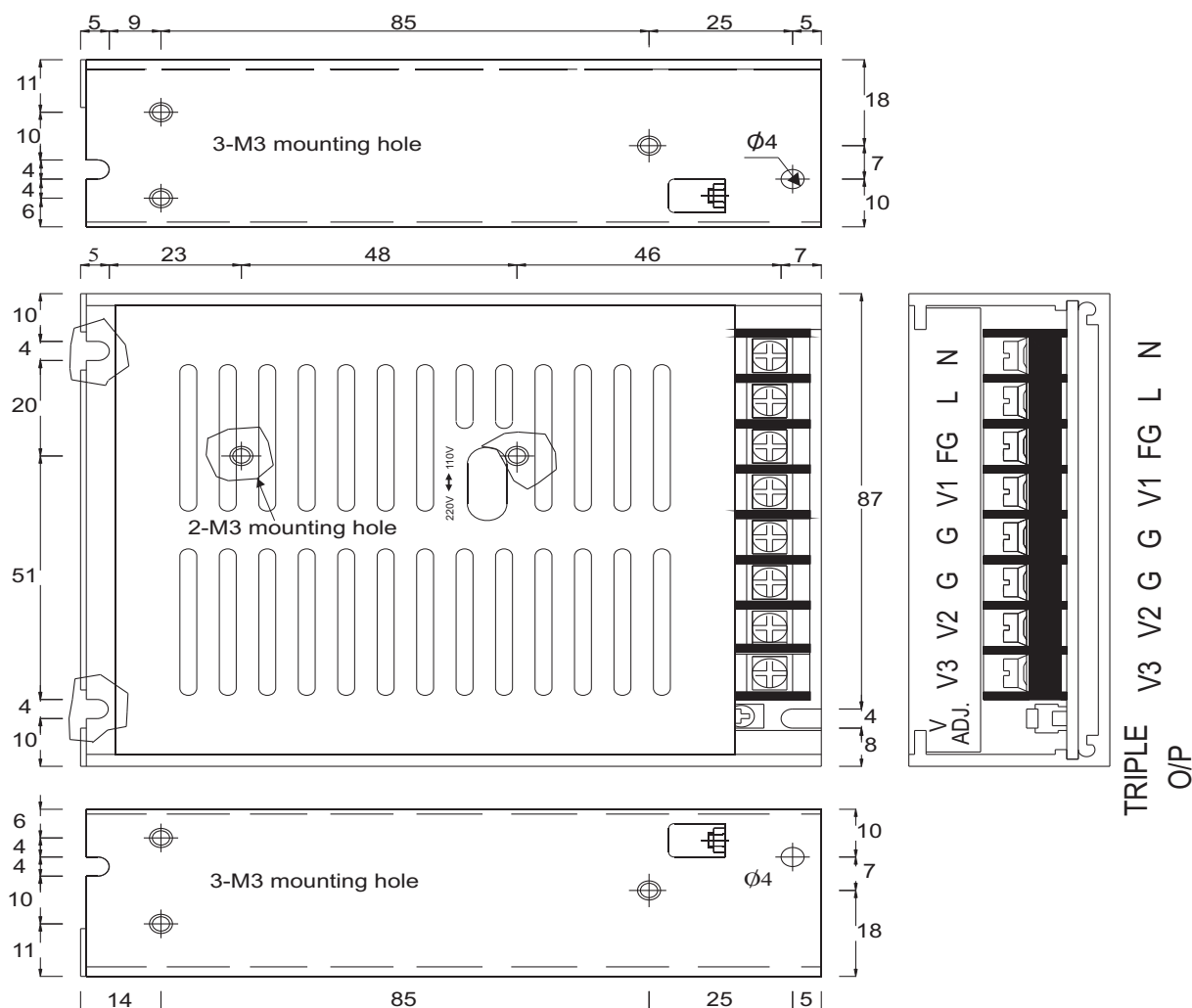
Environments

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:**
1. Each output can provide up to maximum load(3000mS). but total load can not exceed peak load (200 Watts) output power. long time use can not exceed rated load(100Watts).
 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 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. Reign Power reserve the right to change specifications at any time without notice.



Mechanical Details



Panel Designation

PCB Barrier Terminal Block

PIN		Description
1	N	Neutral Terminal of Input
2	L	Line Terminal of Input
3	FG	Ground(Earth)
4	V1	DC Output Terminal
5	G	DC Output Ground Terminal
6	G	DC Output Ground Terminal
7	V2	DC Output Terminal
8	V3	DC Output Terminal

UNIT : mm

CASE NO. : CS035

MATERIAL : ALUMINUM

COLOR : SILVER

DIMENSIONS : 129(L) x 99(W) x 35(H)mm