

## Features

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections:Short circuit/Over load/Over voltage
- Free air cooling convection
- CH4: Polarity is selectable
- Fixed switching frequency at 100KHz(Optional)
- 3 year warranty



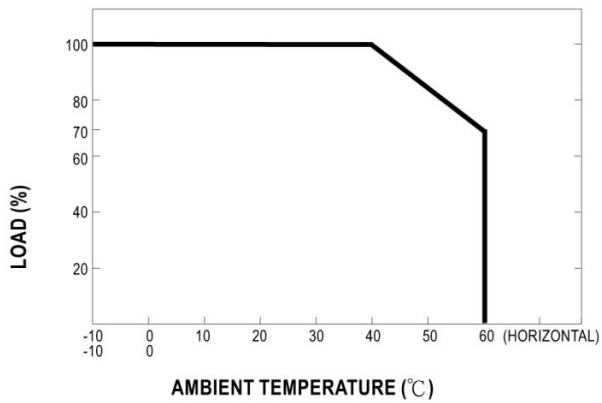
|                            | CH1                                                                                       | CH2   | CH3    | CH4   |
|----------------------------|-------------------------------------------------------------------------------------------|-------|--------|-------|
| DC output voltage          | 5V                                                                                        | 3.3V  | 12V    | -5V   |
| Output V. tolerance        | ±3%                                                                                       | ±3%   | ±6%    | ±5%   |
| Output rated current       | 8A                                                                                        | 8A    | 2.5A   | 0.6A  |
| Output current range       | 2-10A                                                                                     | 0-10A | 0.3-3A | 0-1A  |
| Ripple & noise p-p         | 100mV                                                                                     | 100mV | 150mV  | 150mV |
| Line regulation            | ±1%                                                                                       | ±1%   | ±2%    | ±1%   |
| Load regulation            | ±2%                                                                                       | ±2%   | ±6%    | ±2%   |
| Max. output power          | 99.4W                                                                                     |       |        |       |
| Efficiency                 | 74%                                                                                       |       |        |       |
| DC voltage adj.            | CH1,2: +10, -5%                                                                           |       |        |       |
| Input voltage range        | 90~264VAC 47~63Hz; 120-370VDC                                                             |       |        |       |
| AC current                 | 1.5A/115V 0.75A/230V                                                                      |       |        |       |
| Inrush current             | cold start<= 40A/230V                                                                     |       |        |       |
| Leakage current            | <3.5mA/240VAC                                                                             |       |        |       |
| Overload protection        | 105%~150%, pulsing (hiccup mode), auto restart.                                           |       |        |       |
| Over voltage protection    | CH1:5.75~6.75V CH2:3.8~4.4V type: shutdown reset: re-power on                             |       |        |       |
| Over temp. protection      | 95°C±5°C TSW1 type: shutdown reset: auto recovery                                         |       |        |       |
| Temperature coefficient    | ±0.3%/ °C(0~50°C)                                                                         |       |        |       |
| Set up, rise, hold up time | 800ms, 50ms, 16ms / 115, 230VAC                                                           |       |        |       |
| Power factor               | PF>0.95/230VAC, PF>0.98/115VAC                                                            |       |        |       |
| Vibration                  | 10~500Hz, 2G 10 min./1 cycle, period fo 60 min. each axes                                 |       |        |       |
| Withstand voltage          | I/P-O/P: 3KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC for 1 min.                               |       |        |       |
| Isolation resistance       | I/P-O/P, I/P-FG, O/P-FG: 500VDC / 100M Ohms min.                                          |       |        |       |
| Working temp., humidity    | -10°C~+60°C (refer to output derating curve), 20%-90% RH                                  |       |        |       |
| Storage temp., humidity    | -20°C~+85°C, 10%-95% RH                                                                   |       |        |       |
| Dimensions                 | 7.83x3.9x1.97 inches (199x99x50mm) case: 916A                                             |       |        |       |
| Weight                     | 1.61lbs (730gs)                                                                           |       |        |       |
| Safety standards           | UL1950, TUV EN60950 approved                                                              |       |        |       |
| EMC standards              | EN55022 class B, EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61000-3-2,-3, EN55024 verification |       |        |       |

### Notes:

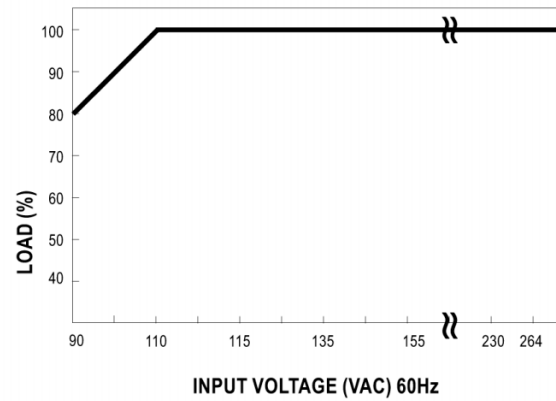
1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient
2. Tolerance includes set up tolerance, line regulation, load regulation
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor
4. Line regulation is measured from low line to high line at rated load
5. Load regulation is measured from 20% to 100% rated load, and other outputs at 60% rated load.
6. Each output provides up to maximum current, but total load can not exceed max. output power.

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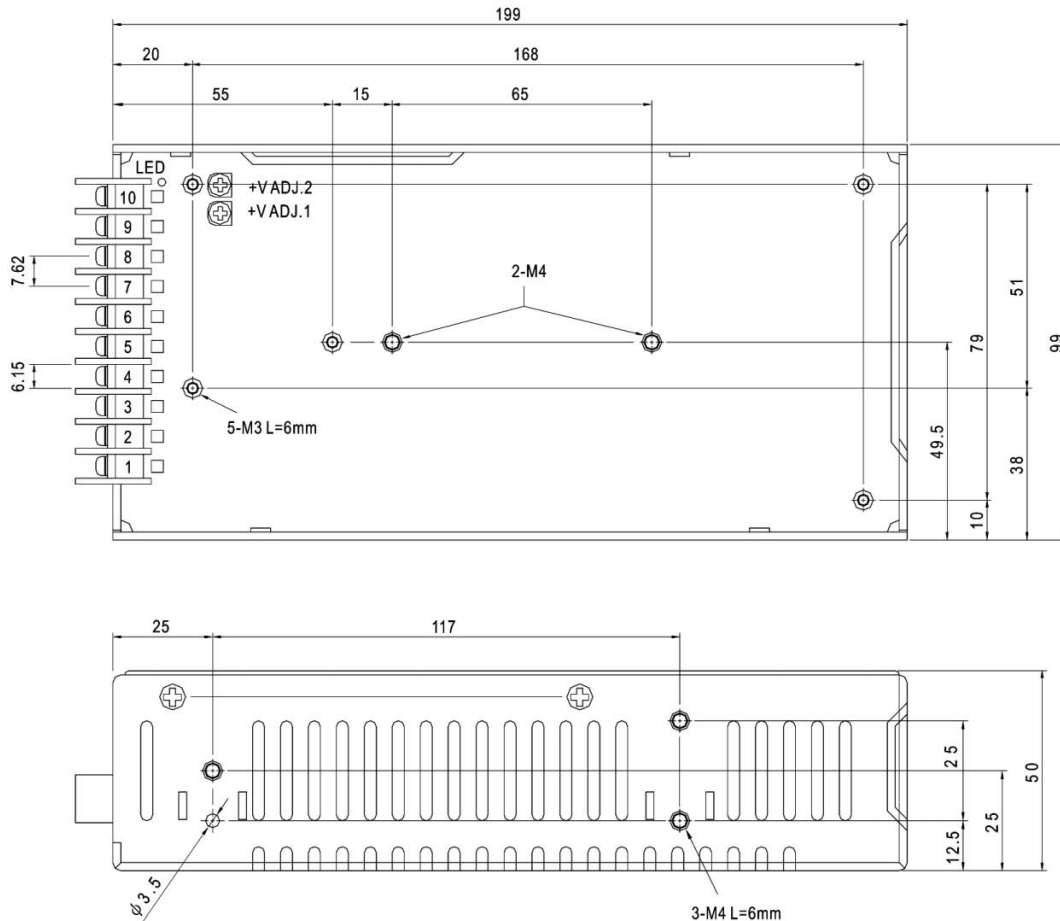
## Derating Curve



## Output Derating VS Input Voltage



## Dimensions



### Terminal Pin No. Assignment :

| Pin No. | Assignment | Pin No. | Assignment   | Pin No. | Assignment    |
|---------|------------|---------|--------------|---------|---------------|
| 1       | AC/L       | 4       | DC OUTPUT V4 | 8,9     | DC OUTPUT COM |
| 2       | AC/N       | 5       | DC OUTPUT V3 | 10      | DC OUTPUT V2  |
| 3       | FG         | 6,7     | DC OUTPUT V1 |         |               |