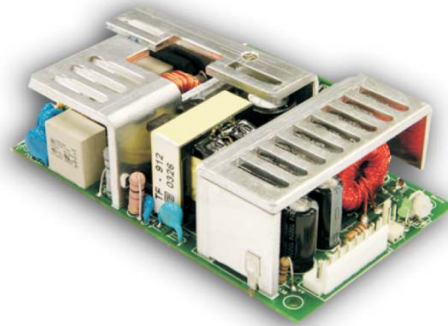


### Features

- Universal AC input / Full range
- Built-in active PFC function
- Short circuit, overload, over-voltage protected
- PWM control and regulated
- High power density 6.117W/inch<sup>3</sup>
- Built-in remote sense function
- LED indicator for power on
- 100% full load burn-in test
- 125W with 18CFM FAN
- 5"x3" compact size
- 3 year warranty



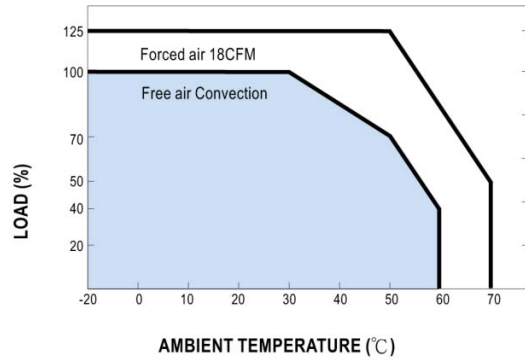
|                                   |   |  |            |
|-----------------------------------|---|--|------------|
| DC Voltage                        | 5V  | 24V                                    | 12V        |
| Output rated current              | 7A  | 2.5A                                   | 0.5A       |
| Output current range (convection) | 0~7A  | 0.25~2.5A                              | 0.05~0.5A  |
| Output current range (18CFM fan)  | 0~8.75A   | 0.25~3.13A                             | 0.05~0.63A |
| Rated power (convection)          | 101W  |  |            |
| Rated power (18CFM fan)           | 126.43W   |  |            |
| Ripple & noise                    | 100mVp-p  | 240mVp-p                               | 120mVp-p   |
| Voltage adj. range                | CH1: 4.75~5.25V   |  |            |
| Output V. tolerance               | ±3%   | ±5%                                    | ±6%        |
| Line regulation                   | ±0.5%   | ±0.5%                                  | ±0.5%      |
| Load regulation                   | ±3%   | ±3%                                    | ±5%        |
| Set up, rise, hold up time        | 1000ms, 30ms, 20ms/230VAC   | 2000ms, 30ms, 20ms/115VAC at full load |            |
| Input voltage range               | 90~264VAC   | 127~370VDC                             |            |
| Frequency range                   | 47~63Hz   |  |            |
| Power factor                      | PF>0.93/230VAC, PF>0.98/115VAC at full load   |  |            |
| Efficiency                        | 78%   |  |            |
| AC current                        | 1.7A/115VAC   | 0.75A/230VAC                           |            |
| Inrush current                    | cold start 40A/230VAC   |  |            |
| Leakage current                   | <2mA/240VAC   |  |            |
| Overload protection               | 130%-160% rated output power      type: Fold back current limiting, recovers automatically after fault condition is removed |  |            |
| Over voltage protection           | CH1:5.75~6.75V<br>type : Hiccup mode, recovers automatically after fault condition is removed                               |  |            |
| Working temp., humidity           | -10~+60°C (refer to output load derating curve), 20~90% RH non-condensing   |  |            |
| Storage temp., humidity           | -40~+85°C, 10~95% RH  |  |            |
| Temperature coefficient           | ±0.05% / °C (0~50°C)  |  |            |
| Vibration                         | 10~500Hz, 2G 10 min./1 cycle, period of 60 min. each axes   |  |            |
| Safety standards                  | UL60950-1, TUV EN60950-1 Approved   |  |            |
| 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:100M Ohms/500VDC min.   |  |            |
| EMI conduction & radiation        | Compliance to EN55022 (CISPR22) Class B   |  |            |
| Harmonic current                  | Compliance to EN61000-3-2,-3  |  |            |
| EMS immunity                      | Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A                                 |  |            |
| MTBF                              | 94.7Khrs min. MIL-HDBK-217F (25°C)  |  |            |
| Dimensions                        | 5x3x1.36 inches (127x76.2x34.6 mm)  |  |            |
| Weight                            | 0.82 lbs (0.37 Kg)  |  |            |

Notes:

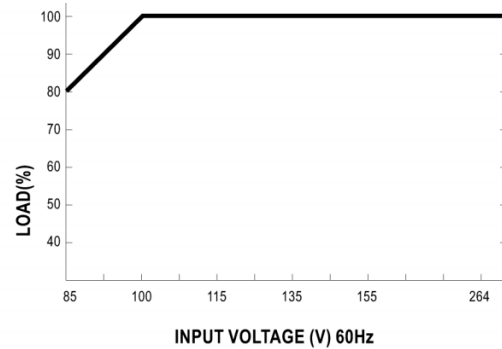
1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient
2. Tolerance includes set up tolerance, line regulation, load regulation
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor

\*V-Infinity reserves the right to make changes to its products or to discontinue any product or service without notice, and to advise customers to verify the most up-to-date product information before placing orders. V-Infinity assumes no liability or responsibility for customer's applications using V-Infinity products other than repair or replacing (at V-I's option) V-Infinity products not meeting V-I's published specifications. Nothing will be covered outside of standard product warranty.

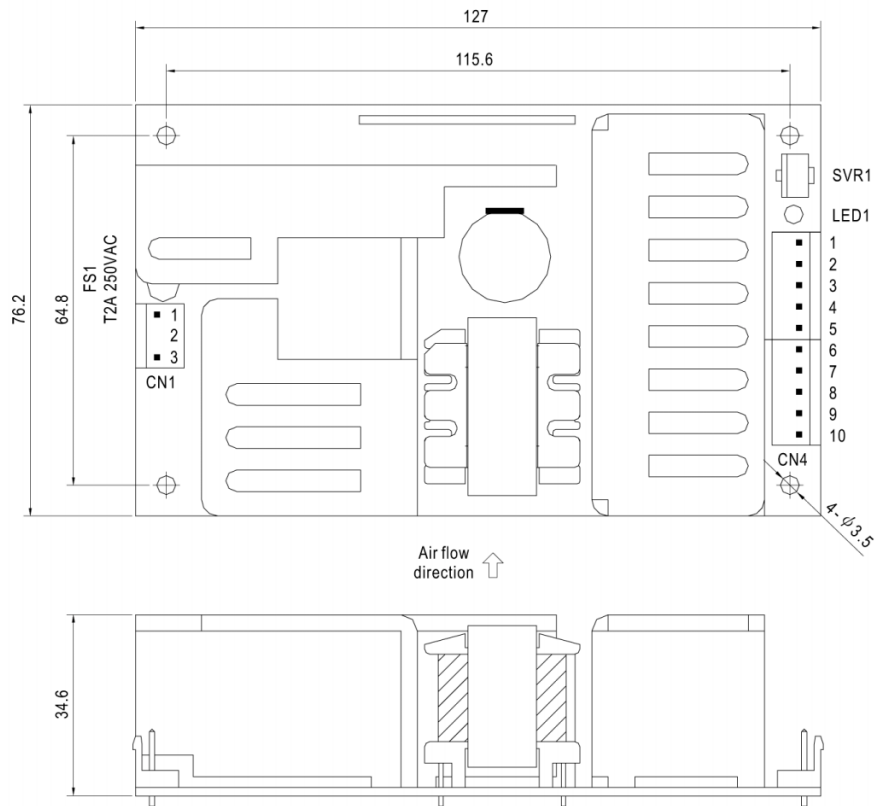
## Output Derating



## Static Characteristics



## Dimensions (mm)



AC Input Connector (CN1) : JST B3P-VH or equivalent

| Pin No. | Assignment | Mating Housing        | Terminal                       |
|---------|------------|-----------------------|--------------------------------|
| 1       | AC/L       | JST VHR or equivalent | JST SVH-21T-P1.1 or equivalent |
| 2       | No Pin     |                       |                                |
| 3       | AC/N       |                       |                                |

DC Output Connector (CN4) : JST B5P-VH\*2 or equivalent

| Pin No. | Assignment | Mating Housing        | Terminal                       |
|---------|------------|-----------------------|--------------------------------|
| 1       | CH3        | JST VHR or equivalent | JST SVH-21T-P1.1 or equivalent |
| 2,3     | CH2        |                       |                                |
| 4~8     | GND        |                       |                                |
| 9,10    | CH1        |                       |                                |