

Features

- Universal AC input / Full range
- Built-in active PFC function, PF>0.96
- Protections:Short circuit/Over load/Over voltage
- Protections:Over temperature(option)
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at PFC:67KHz
- PWM:134KHz
- 3 year warranty
- Power factor: 0.98 typ.



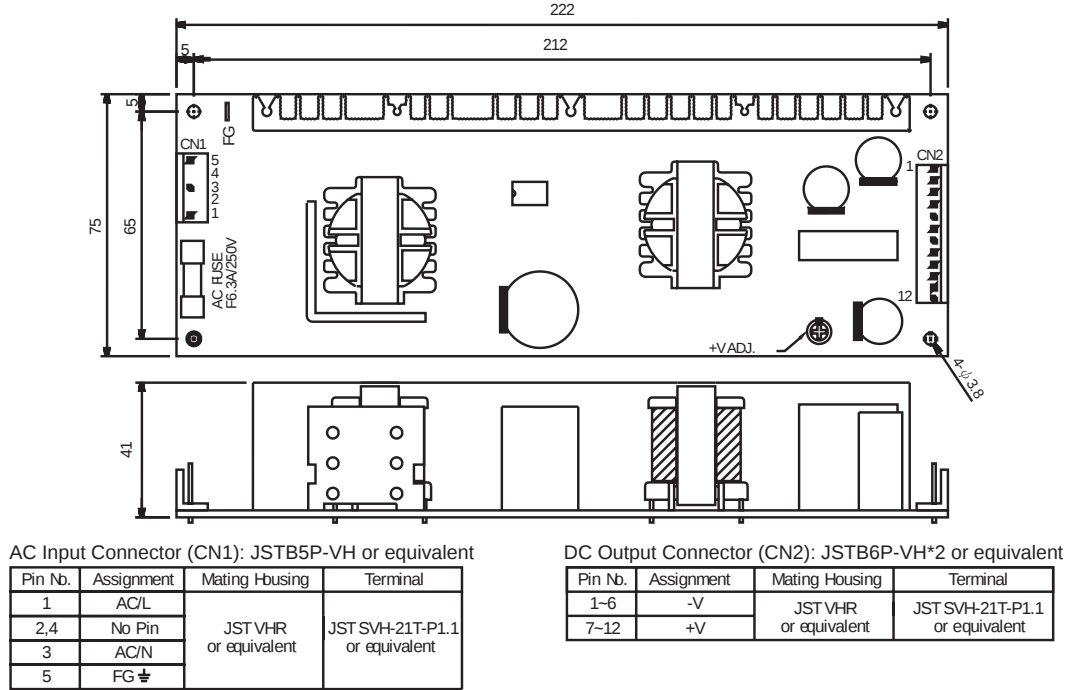
DC output voltage	12V
Output V. tolerance	±2%
Output rated current	12.5A
Output current range	0-12.5A
Ripple & noise	100mV
Line regulation	±0.5%
Load regulation	±1%
DC output power	150W
Efficiency	79%
DC voltage adj.	+10, -5%
Input voltage range	2.2A/115V, 1.1A/230V; 3.3V: 1.5A/115V, 0.8A/230V
Inrush current	cold start 40A//230V
Leakage current	<3.5mA/240VAC
Overload protection	105%~150% type: continuous current limiting, auto recovery
Over voltage protection	110%~135% type: shutdown, RE power on
Over temp. protection	---
Temperature coefficient	±0.05% / °C (0~50°C)
Set up, rise, hold up time	600ms, 30ms, 20ms
Power factor	PF>0.96/230VAC, PF>0.98/115VAC
Vibration	10~500Hz, 2G 10min./1cycle (1 hour 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% (refer to output derating curve), 20%-90% RH
Storage temp., humidity	-20°C~+85°C, 10%~95% RH
Dimensions	8.74x2.95x1.61 inches (222x75x41mm)
Weight	1.37lbs (0.62Kgs)
Safety standards	UL1950, TUV EN60950
EMC standards	CISPR22 (EN55022) CLASS B, EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61000-3-2,-3

Notes:

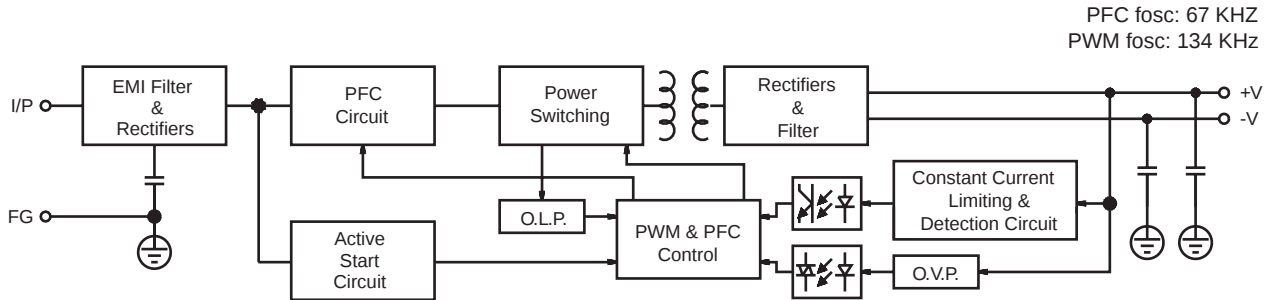
1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient
2. Tolerance includes set up tolerance, line regulation, load regulation
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor
4. Line regulation is measured from low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

*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.

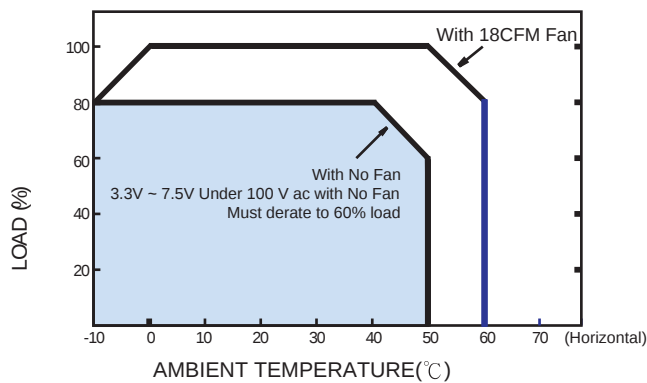
Dimensions (mm)



Block Diagram



Output Derating



Static Characteristics

