

Features

- ·Universal AC input / Full range
- ·Low leakage current ≤ 0.3mA
- ·Short circuit, overload, over-voltage, over-temperature protection
- ·Fixed switching frequency at 100KHz
- ·Low cost
- ·High reliability
- -3 year warranty



DC output voltage	24V		
Output rated current	1.2A		
Output current range	0~1.2A		
Rated output power	28.8W		
Ripple & noise	240mVp-p		
Voltage tolerance	±3.0%		
Line regulation	±0.5%		
Load regulation	±1.0%		
Setup, rise, hold time	500ms, 30ms, 50ms/230VAC 500ms, 30ms, 10ms/115VAC at full load		
Input voltage range	88~264VAC auto switch 120~370VDC		
Frequency range	47~63Hz		
Efficiency	77%		
AC current	0.8A/115V 0.5A/230V		
Inrush current	cold start 35A/230VAC		
Leakage current	<0.3mA/264VAC		
Overload protection	Above 105% rated output power		
	type: Hiccup mode, recovers automatically after fault condition is removed		
Over voltage protection	26.4~32.4V type: shut down output voltage, re-power on to recover		
Over temperature	Tj 135°C typically (U1) detect on main control IC		
	type: shutdown output voltage, recovers automatically after temperature goes down		
Working temperature	-10~+50°C (Refer to output derating curve)		
Working humidity	20~90% RH non-condensing		
Storage temp., humidity	-20~+85°C, 10~95% RH		
Temperature coefficient	±0.03%°C (0~50°C)		
Vibration	10~500Hz, 2G 10min./1 cycle, period for 60 min. each along X,Y,Z axes		
Safety standards	UL2601-1, TUV EN60601-1, IEC601-1 approved		
Withstand Voltage	I/P-O/P: 4KVAC, I/P-F/G: 1.5KVAC, O/P-F/G: Short		
Isolation resistance	I/P-O/P, I/P-F/G: 100M Ohms/500VDC min.		
EMI conduction & radiation	Compliance to EN55011 (CISPR11) 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, EN60601-1-2		
	medical level, criteria A		
MTBF	547Khrs min. MIL-HDBK-217F (25°C)		
Dimension	4x2.59x0.93 Inches (101.6x65.8x23.5mm)		
Weight	0.35lbs (0.16Kg)		

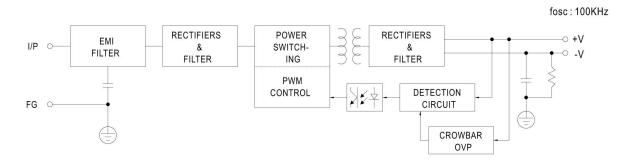
Notes:

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

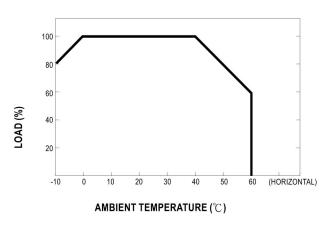
*V-Infinity reserves the right to make changes to its products or to discontinue any product or service without notice, and to advise customers to verify the most up-to-date product information before placing orders. V-Infinity assumes no liability or responsibility for customer's applications using 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.



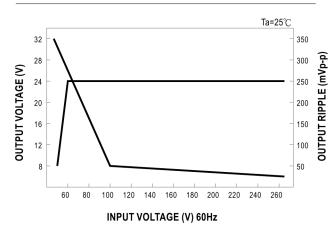
Block Diagram



Output Derating



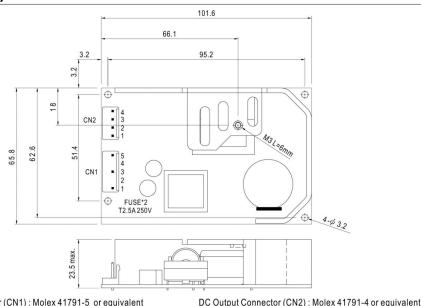
Static Characteristics



Dimensions (mm)

3

AC/N



AC Input	Connector (C	N I): Wolex 4 1791-	or equivalent
Pin No.	Assignment	Mating Housing	Terminal
1	FG ±		
0.4	N- Di-	M-I 0400	M-1 0470

Pin No.	Assignment	Mating Housing	Terminal
1,2	-V	Molex 2139	Molex 2478
3,4	+V	or equivalent	or equivalent