

Features

- ·AC input range selectable by switch
- ·Protections:Short circuit/Over load/Over voltage
- -Cooling by free air convection
- -100% full load burn-in test
- ·Fixed switching frequency at 83KHz
- -2 years warranty



DC output V. tolerance ±2% Output rated current 20A Output current range 0-20A Ripple & noise 100mVp-p Line regulation ±0.5% Load regulation ±1% DC output power 100W Efficiency 76% DC voltage adj. ±10% Input voltage range 88-132VAC/176-264VAC selected by manual switch, 47-63Hz; or 248-370VDC AC current 2.4A/115V 1.2A/230V Inrush current cold start 30A/115V 60A/230V Leakage current <1mA/240AC Overload protection 105%-150%, pulsing (hiccup mode), auto restart Over voltage protection 115%-135% Over temp. protection Temperature coefficient ±0.03% / °C (0-50°C) Set up, rise, hold up time 1s, 30ms, 15ms Vibration 10-500Hz, 2G 10min./1 cycle (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: 5.00VDC / 100M Ohms min. Working temp., humidity -10°C-+60% (refer to output derating curve), 20%-90%		
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DC output power 100W Efficiency 76%	Line regulation	±0.5%
### Efficiency	Load regulation	±1%
DC voltage adj.	DC output power	100W
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EMC standards CISPR22 (EN55022), IEC801-2,3,4 IEC555-2 verification	Safety standards	UL1012, EN60950 (IEC950, UL1950) approved
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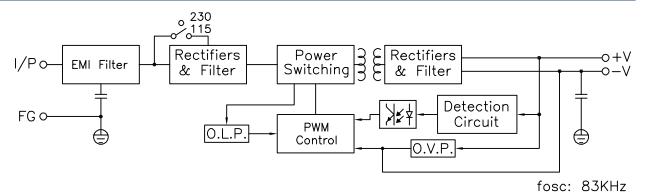
Notes:

- 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 0.1 uF & 47 uF capacitor
- 4. Line regulation is measured from low line to high line at rated load
- 5, Load regulation is measure from 0% to 100% 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.



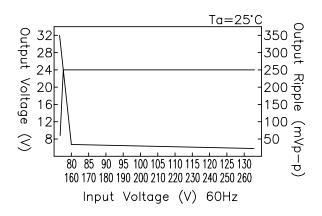
Block Diagram



Output Derating

100 80-80-80-80-VS-100F-5,7.5 -10 0 10 20 30 40 50 60 (Vertical) -10 0 45 55 (Horizontal) Ambient Temp. (°C)

Static Characteristics



Dimensions (mm)

Case 902: Terminal Pin No. Assignment PIN 1,2: AC INPUT PIN 3: FG PIN 4,5: DC OUTPUT -V PIN 6,7: DC OUTPUT +V

