

Features

- Low cost
- High reliability
- 105°C output capacitor
- Universal AC input range
- High efficiency, low temperature rise
- Soft-start circuit, limiting AC surge current
- Short circuit, overload, battery protected
- Compact size, light weight
- 100% full load burn-in test
- Built in EMI filter, low ripple noise



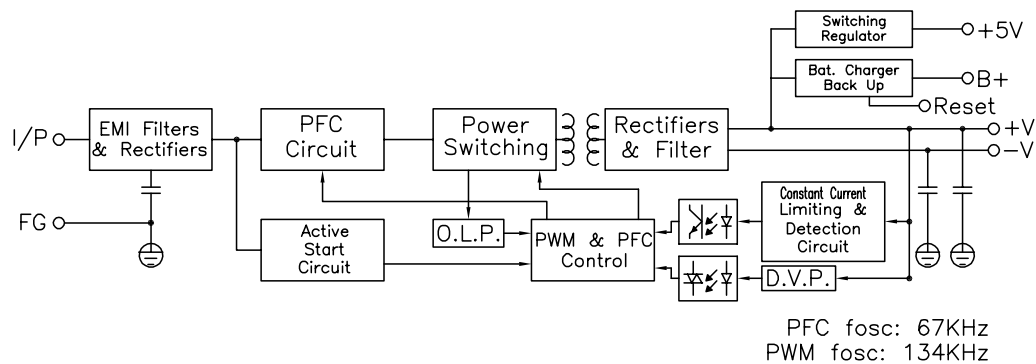
	CH1	CH2	CH3 (Charger)
DC output voltage	27.6V	5V	27.1V
Output V. tolerance	±1%	±3%	---
Output rated current	4.5A	3A	0.5A
Output current range	0-5A	0-4A	---
Ripple & noise	200m	100m	---
Line regulation	±1%	±0.5%	---
Load regulation	±1%	±2%	---
DC output power	152.75W		
Efficiency	81%		
DC voltage adj.	CH1: 24-29V		
Input voltage range	88~264VAC 47~63Hz; 120-370VDC		
AC current	2.5A/115V 1.5A/230V		
Inrush current	cold start 20A/115V 40A/230V		
Leakage current	<1mA/240VAC		
Overload protection	CH1: B CH2: 105%-135% CH3: 0.51~0.9A type: constant current limiting, auto recovery		
Over voltage protection	CH1: 105%~135% type: pulse by pulse		
Battery low protection	19.5 (+1.5V, -1V)		
Temperature coefficient	±0.03% / °C (0~50°C) on +5V output		
Set up, rise, hold up time	2s, 90ms, 16ms/115VAC 1s, 90ms, 20ms / 230VAC		
Power factor	PF > 0.92		
Vibration	10~500Hz, 2G 10 min./1 cycle, period of 60 min. each axes		
Withstand voltage	I/P-O/P: 3KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC, for 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	7.96x4.4x2 inches (202.18x111.78x50.8mm) Case: 906		
Weight	2.2lbs (0.99 Kgs)		
Safety standards	UL1950, TUV EN60950 approved		
EMC standards	meets CISPR22 (EN55022) class B, EN61000-4,2,3,4,5,6,8,11 ENV50204, EN61000-3-2, 3		

Notes:

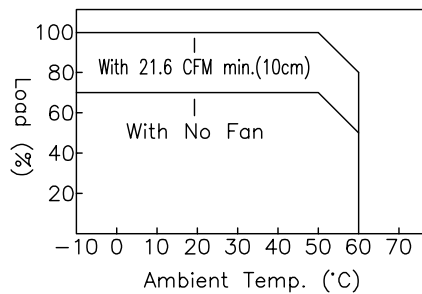
1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient
2. Tolerance includes set up tolerance, line regulation, load regulation
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor
4. Line regulation is measured from low line to high line at rated load
5. Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load
6. Each output provides up to maximum current, but total load can not exceed maximum output power
7. CH3 battery charger voltage

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.

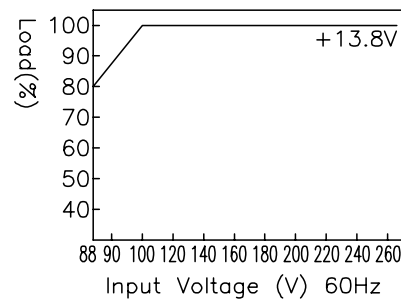
Block Diagram



Output Derating



Static Characteristics



Dimensions (mm)

Case: 906
Terminal Pin No. Assignment
Pin 1,2: AC Input
Pin 3 : FG
Pin 4 : +5V
Pin 5 : Bat. +
Pin 6 : Bat. -/Com
Pin 7 : DC Output Com
Pin 8 : DC Output +V

