

Features

- ·Low cost
- ·High reliability
- ·105°C output capacitor
- International 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	СНЗ
DC output voltage	13.8V	5V	13.4V
Output V. tolerance	±1%	±3%	
Output rated current	2.5A	3A	0.23A
Output current range	0-3.5A	0-4A	
Ripple & noise	100mVp-p	100mVp-p	
Line regulation	±1%	±0.5%	
Load regulation	±1%	±0.5%	
DC output power	52.58W		
Efficiency	71%		
DC voltage adj.	CH1: 12-14.5V		
Input voltage range	88~264VAC 47~63Hz; 120-370VDC		
AC current	1.6A/115V 1A/230V		
Inrush current	cold start 20A/115V 40A/230V		
Leakage current	<1mA/240VAC		
Overload protection	105%~150% / 230VAC		
	type: Hiccup mode, recovers automatically after fault condition is removed		
Over voltage protection	CH1: 105%~135% type: pulse by pulse		
DC alarm signal (optional)	AC fail CH1 PIN2		
	battery low under charge voltage 82.5% ± 2% CN1 PIN1		
	normal 0.8V max. abnormal 5V±0.5V		
Temperature coefficient	±0.03% / °C (0~50°C) on CH1 output		
Set up, rise, hold up time	1.6s, 50ms, 16ms/115VAC 800ms, 50ms, 60ms / 230VAC		
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 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	6.36x3.88x1.52 inches (161.54x98.55x38.6mm)		
Weight	1.25lbs (0.57 Kgs)		
Safety standards	meets IEC950 requirements		
EMC standards	meets CISPR22 (EN55022) class B, EN61000-4,2,3,4,5,6,8,11,		
	EN61000-3-2, -3 ver	ification	

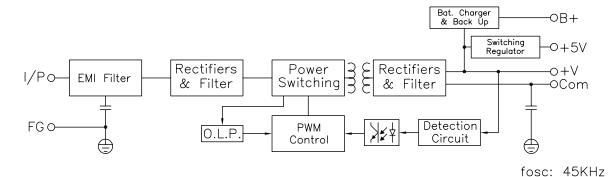
Notes:

- 1. All parameters are specified at 230VAC input, rated load, 25°C 70% 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. CH2 Bat. charger voltage at no load, rated current at Bat. V=11V/22V

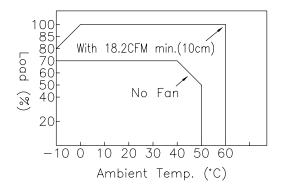
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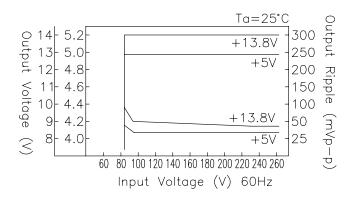
Block Diagram



Output Derating



Static Characteristics



Dimensions (mm)

