

| Features |
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| ·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 |
| Battery low / Battery polarity protections |



| | CH1 | CH2 | |
|----------------------------|--|----------|--|
| DC output voltage | 24V | 5V | |
| Output V. tolerance | ±1% | ±3% | |
| Output rated current | 2A | 2A | |
| Output current range | 0-2.5A | 0-4A | |
| Ripple & noise | 100mVp-p | 100mVp-p | |
| Line regulation | ±1% | ±0.5% | |
| Load regulation | ±1% | ±0.5% | |
| DC output power | 58W | | |
| Efficiency | 77% | | |
| DC voltage adj. | ±10% | fixed | |
| Input voltage range | 88~264VAC 47~63Hz; 124~370VDC | | |
| AC current | 1.6A/115V 1A/230V | | |
| Inrush current | cold start 20A/115V 40A/230V | | |
| Leakage current | <1mA/240VAC | | |
| Overload protection | 105%~150% / 230 VAC | | |
| | type: Hiccup mode, recovers automatically after fault condiction is removed | | |
| Over voltage protection | CH1: 115%~135% type: pulse by pulse | | |
| Temperature coefficient | ±0.03% / °C (0~50°C) | | |
| 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 | 6.26x3.82x1.50 inches (159x97x38 mm) Case: 901 | | |
| Weight | 1.26 lb. (0.57 Kgs) | | |
| Safety standards | UL1950, TUV EN60950 approved | | |
| EMC standards | CISPR22 (EN55022) CLASS B, EN61000-3-2,3; EN61000-4-2,3,4,5,6,8,11; ENV50204 | | |

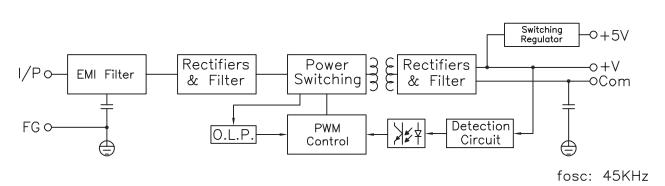
Notes:

- 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

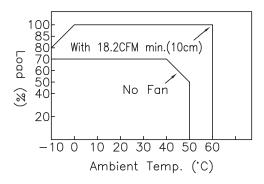
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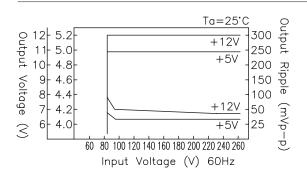
Block Diagram



Output Derating



Static Characteristics



Dimensions (mm)

Case: 901 Terminal Pin No. Assignment Pin 1: AC Input Pin 2: AC Input Pin 3: FG Pin 4: DC Output Com Pin 5: DC Output +V Pin 6: NC Pin 7: DC Output Com Pin 8: DC/DC Output +5V

