Sparkle Power Inc.
A Leading Power Supply Manufacturer
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R-SPI750ACAG

(80PLUS Gold, RoHS Compliant)

750 Watts ATX12V V2.3 EPS12V V2.92 Switching Power Supply (Meet 2013 ErP)

Features

- Complied with ATX12V V2.3 EPS12V V2.92 standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency and reliability
- Compatible with European Union Directive 2002/95/EC (Restriction on Hazardous Substances).
- Remote ON/OFF function
- Internal 12V DC fan included
- Noise Killer (thermal fan speed control function)
- Low noise and ripple
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- Complies with FCC part 15 subpart J class B 115Vac operation, and CISPR 22 class B at 230Vac operation
- Approved by CUL/UL60950-1, TUV EN60950-1,CB 60950-1 report, FCC,EMC.

Input Characteristics

Input Range: 90 ~ 264Vac, Full Range Input
Frequency: 47 ~ 63Hz
Input Current: Max 10A@100-127Vrms/60Hz
Max 5A@200-240Vrms/50Hz
Inrush Current: No damage.

Output Characteristics

	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD	LOAD REG.	LINE REG.	RIPPLE & NOISE
+3.3V	0.1A	12A	30/3A	±5%	±1%	50mV P-P
+5V	0.2A	12A	12/30A	±5%	±1%	50mV P-P
+12V1	0.1A	8A	18A	±5%	±1%	120mV P-P
+12V2	0A	8A	18A	±5%	±1%	120mV P-P
+12V3	0A	8A	18A	±5%	±1%	120mV P-P
+12V4	0A	8A	18A	±5%	±1%	120mV P-P
-12V	0A	0.25A	0.5A	±10%	±2%	200mV P-P
+5Vsb	0A	1.5A	3.5A	±5%	±1%	50mV P-P

*+12V1,2,3,4 Peak current is 20A (less than 10mS)
*+5V_{sb} peak current is 4A (less than 0.5S)
*+3.3V & +5V total output does not exceed 160W
when +5V is loaded to 30A, then +3.3V maximum load is 3A
when +3.3V is loaded to 30A, then +5V maximum load is 12A
*+12V1 & +12V2 & +12V3 & +12V4 total output does not exceed 720W(60A)

Specification

- **Temperature Range:** Operating: +0°C ~ +40°C on full load
Storage & Shipping: -40°C ~ +70°C
- **Humidity**: 5-85% on operating, 5-95% on storage
- **Dielectric Withstand:** Primary to frame ground 1800V_{AC} for 1 second
- **Efficiency: 87%** minimum, typical up to **90%**
- **Rise time:** Less than 20ms
- **Hold-up Time:** 17ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Less than 3.5mA at 264Vac, 50Hz
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):**140x150x85.8mm / 5.5x5.9x3.4inch

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