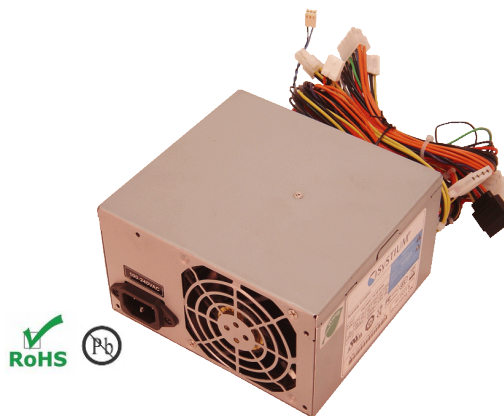




430W ATX POWER SUPPLY 10648-00



430 Watt ATX12V v2.3 Switch Mode Power Supply
Active PFC and RoHs Compliant

Features

Active Power Factor Correction (PFC)
High efficiency and reliability
Serial ATA Ready
Forward converter circuit
Low Noise and Ripple
Output over voltage, short circuit, and over power protection
Reset after shutdown
Super low noise fan control
Internal Fan (12VDC/34cfm/<35db)
100% Hi-pot test
100% burn-in, high temperature cycled on/off

Input Range: 90 ~ 264Vac (RMS), Full Range Input

Frequency: 47 ~ 63Hz

Input Current: 7A (RMS)

Inrush Current: 100A Max cold start

EMC: Complies to EN55022:1998/A1:2000/A2:2003 CLASS B, FCC Part 15 & Part 2 (CISPR22 Class B) standards; CCC GB9254-1998, GB17625.1-2003 standards

Safety: Conforms to IEC60950-1:2000, EN60950-1:2001, UL60950-1 1st, GB4943-2001: TUV, CUL, CB, CCC

Specifications

Temperature Range:

Operating: 0°C ~ +50°C

Storage & shipping: -40°C ~ +85°C

Humidity:

Operating: 20 ~ 85%

Storage: 10% ~ 95%

Efficiency: 80% at normal input voltage (AC 115V 60Hz or AC 230V 50Hz) when 20%, 50%, 100% loading

Rise time: Less than 20mS

Hold-up Time: 16mS minimum at nominal input voltage

Power Good Signal: Power on delay time max 100mS, off delay 1ms minimum (TTL compatible)

Power Factor Correction: 99% typical

MTBF: 100,000 hours at +25°C
(excluding DC fan)

Dimensions (L x W x H):

140mm (5.5") x 150mm (5.9") x 86mm (3.4")

Output Characteristics

Output Voltage	Min. Load	Max. Load	Peak	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.5A	25A		± 5%	± 1%	50mV P-P
+5V	0.3A	25A		± 5%	± 1%	50mV P-P
+12V1	1A	16A	18A	± 5%	± 1%	120mV P-P
+12V2	1A	16A	18A	± 5%	± 1%	120mV P-P
-12V	0.0A	0.8A		± 10%	± 5%	150mV P-P
+5Vsb	0.0A	2.0A	2.5A	± 5%	± 1%	50mV P-P

Notes

- Max DC output should not exceed 430W
- Max Peak DC output should not exceed 473W
- Max Load: +5V and +3.3V > 130W
- Max Load: +12V +12V > 372W

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