

APS150EMG SERIES:



120-150 Watts / Single Output

- 7.09 x 2.83 x 1.71" UL94V-0 Plastic Case (Desktop)

Features:

- Universal AC Input (90~264 VAC Input Range)
- EISA, CEC Level IV Compliant (12~24V Models only)
- High Efficiency Operation (87-90%)
- 2 or 3 Prong AC Inlet Options
- Class B Emissions
- International Safety Approvals
- 2 Year Warranty

INPUT:

Input Voltage	90~264 VAC (Universal AC Input)
Input Frequency	47-63Hz
Inrush Current	7.2A @ 230 VAC Cold Start
Input Current	1.4A @ 115 VAC / 0.7A @ 230 VAC Maximum
Input Protection	Dual Fuse
Hold-Up Time	26 / 43 ms @ 115 / 230 VAC Minimum
Leakage Current	<300 μ A @ 240 VAC Maximum
Harmonics	EN61000-3-2 Class D Compliant
Green Power	Less than 0.5W @ 230 VAC (No Load)

GENERAL:

Efficiency	88~90% typical
Operating Temperature	0-40°C, derate linearly to 50% Load at 50°C
Storage Temperature	-20°C to +85°C
Over-Temp Protection	>85°C Shutdown (Ambient)
Cooling	Convection Cooled
OverTemp Protection	Installed
Operating Humidity	5-95% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s ² on X,Y and Z Axis
MTBF	>50k Hrs (according to MIL-HBK-217F) at 25°C

OUTPUT:

Minimum Load	None
Line Regulation	\pm 0.1% max
Load Regulation	\pm 2.0% max
Ripple & Noise	\pm 1% typ. pk-pk @ 20MHz
Overload Protection	110-135% of max power (Foldback)
Over Voltage	Latching before 130% of nominal
Short Circuit Protection	Continuous (auto-recovery)
Transient Response	recovers <1ms following a 25% load change
Switching Topology	Fixed Flyback Circuit
Switching Frequency	40~65KHz

EMC:

Electrostatic Discharge	EN61000-4-2, \pm 4KV Contact / \pm 8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, \pm 2KV
Surges	EN61000-4-5, \pm 2KV Line-Earth, \pm 1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

Safety Approvals are pending

APPROVALS:

Emissions EN55022 "B", FCC Part 15 Subject J Class B

Safety Approvals UL/cUL 60601-1, UL/cUL 60950-1
EN60601-1, EN 60950-1
CE Mark (LVD)



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Output Specifications:

Model:	Vout	Max Output Current
APS150EMG-S120100 - <i>p x- ccc</i>	12V	10A
APS150EMG-S150080 - <i>p x- ccc</i>	15V	8A
APS150EMG-S240060 - <i>p x- ccc</i>	24V	6A

- Replace "p" with the options below to designate the desired AC inlet option below:
 Suffix "8" Package: 2-Prong IEC-320 C8 Inlet
 Suffix "7L" Package: 3-Prong IEC-320 C6 Inlet
 Suffix "7" Package: 3-Prong IEC-320 C14 Inlet
- Optional LED Indicator, replace x with the following:
 Blank - no LED indicator
 A = LED Indicator
- Replace "ccc" with output connector option desired as defined here: <http://advpower.com/dcconnector.pdf>

OUTLINE DRAWING:

