

## APS24EMG SERIES:



### 24 Watts / Single Output

- 4.33 x 2.28 x 1.27" UL94V-0 Plastic Case (Desktop)

### Features:

- Universal AC Input (90~264 VAC Input Range)
- EISA, CEC Level IV Compliant
- High Efficiency Operation (78-88%)
- 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	0.35A @ 115 VAC / 0.215A @ 230 VAC Maximum
Input Protection	Dual Fuse
Hold-Up Time	16.8 / 86.4 ms @ 115 / 230 VAC Minimum
Leakage Current	<250µA @ 240 VAC Maximum (Class I) <100µA @ 240 VAC Maximum (Class II)
Harmonics	EN61000-3-2 Class D Compliant
Green Power	Less than 0.3W @ 230 VAC (No Load)

### OUTPUT:

Minimum Load	None
Line Regulation	±0.1% max
Load Regulation	±3.0% max
Ripple & Noise	±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

### GENERAL:

Efficiency	78-88% 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*s on X,Y and Z Axis
MTBF	>50k Hrs (according to MIL-HBK-217F) at 25°C

### EMC:

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±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)



## APS24EMG SERIES:

### Output Specifications:

Model:	Vout	Max Output Current
APS24EMG-S050400-p-ccc	5V	4.00A
APS24EMG-S075300-p-ccc	7.5V	3.00A
APS24EMG-S120200-p-ccc	12V	2.00A
APS24EMG-S150160-p-ccc	15V	1.60A
APS24EMG-S240100-p-ccc	24V	1.00A

- Replace "p" with the options below to designate the desired AC inlet option below:  
 Suffix "8" Package: 2-Prong IEC-320 C8 Inlet (Class II Safety Approvals)  
 Suffix "7" Package: 3-Prong IEC-320 C6 Inlet (Class I Safety Approvals)
- Replace "ccc" with output connector option desired as defined here: <http://advpower.com/dcconnector.pdf>

### OUTLINE DRAWING:

