

APS250EMG SERIES:



200~250 Watt Single Output Models

- 7.46 x 3.74 x 1.89" Desktop Package

Features:

- Universal AC Input Range (90-264 VAC)
- Active Power Factor Correction (0.96 ~ 0.99 PF Typical)
- No-Load Power Consumption < 0.5W
- Compliant to the Latest Energy Standards (EISA / ERP2 / CEC Level 5)
- Medical & ITE Safety Approvals
- Class B Emissions
- 2 Year Warranty

INPUT:

Input Voltage	90~264 VAC (Universal AC Input)
Input Frequency	47-63Hz
Inrush Current	12.5Arms @ 230 VAC Cold Start
Input Current	2.4/1.3A @ 115 / 230 VAC
Input Protection	Dual Fuse
Hold-Up Time	20ms Minimum
Leakage Current	<300 μ A @ 240 VAC Maximum
Power Factor	EN61000-3-2 (0.96-0.99 PF Typical)

GENERAL:

Efficiency	89% minimum
Operating Temperature	0-40°C, derate linearly to 50% load at 50°C
Storage Temperature	-20°C to +85°C
Over-Temp Protection	Auto-Recovery
Cooling	Convection
Operating Humidity	5-90% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis
MTBF	>100k Hrs (according to MIL-HBK-217F) at 30°C

OUTPUT:

Adjustment Range	Fixed at Factory
Minimum Load	none required
Regulation	\pm 1% Line / \pm 3% Load max
Ripple & Noise	\pm 1% pk-pk @ 20MHz
Overload Protection	110-110% of max power (Foldback)
Over Voltage	Latching before 130% of nominal
Short Circuit Protection	Trip without damage & auto-recovery
Transient Response	recovers <1ms following a 50% load change
Switching Frequency	85-100KHz (Fixed)

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

APPROVALS:

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

Safety Approvals UL/cUL 60950-1 Listed
UL/cUL 60601-1 Registered
CE Mark (LVD)

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Output Specifications:

Model:	Vout	Iout
APS250EMG-120166-7	12V	16.6A
APS250EMG-240104-7	24V	10.4A
APS250EMG-480052-7	48V	5.2A

- Power Supply can be set to any voltage ranging between 12~48 VDC and maintain all safety approvals, consult APS for details
- Standard Cable Length is 6 feet.
- Additional suffix to designate output connector is required, see connector options at <http://www.advpower.com/dcconnector.pdf>

Mechanical Dimensions:

