

APS49EMG SERIES:



50 Watts Single Output Models

- 4.92 x 2.43 x 1.28" Desktop Package

Features:

- UL60601-1 3rd Edition Safety Approvals
- UL60950-1 / IEC60950 Safety Approvals
- IEC-320 C8 or C14 Inlet Models
- Universal AC Input Range
- EN55011 / EN55022 Class B Emissions
- Efficiency Level V Compliant
- 2 Year Warranty

INPUT:

Input Voltage	90~264 VAC (Universal)
Input Frequency	47-63Hz
Inrush Current	12A _{RMS} / 52A @ 230 VAC Cold Start (max)
Input Current	0.91 Max @ 115 VAC (Full Load)
Hold-Up Time	12ms @ 115VAC / 70ms @ 230VAC (min)
Leakage Current	Class I Input: <300µA @ 264 VAC
Touch Current	Class II Input: < 100µA @ 264 VAC
No Load Power	Less than 0.3W at 230 VAC

GENERAL:

Efficiency	87-88% typical
Operating Temperature	0-40°C, derate linearly to 50% Load at 50°C
Storage Temperature	-20°C to +85°C
Over-Temp Protection	Optional NTC Circuit
Cooling	Convection
Operating Humidity	5-90% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s ² on X,Y and Z Axis
MTBF	>100k Hrs (according to MIL-HBK-217F) at 30°C

OUTPUT:

Adjustment Range	Fixed
Minimum Load	None
Line Regulation	±0.1% max
Load Regulation	±1.5 - 3% max
Ripple & Noise	±1% typ. pk-pk @ 20MHz
Overload Protection	All Outputs (foldback)
Over Voltage	Latching
Short Circuit Protection	Trip without damage & auto-recovery
Transient Response	recovers <5.5ms following a 50% load change

EMC:

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 80-1000MHz, 13V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±1KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-80MHz, 3V _{RMS} , 80% AM
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

APPROVALS:

Emissions EN55011/ EN55022 Class B

Safety Approvals UL/cUL 60601-1 3rd Edition
UL/cUL 60950-1, IEC/EN60950-1
CE Mark

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Output Specifications:

Model:	V1	A1
APS49EMG-12040-p-ccc	12V	4.0A
APS49EMG-15033-p-ccc	15V	3.3A
APS49EMG-24021-p-ccc	24V	2.1A

- 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 C14 Inlet (Class I Safety Approvals)
- Replace "ccc" with output connector option desired as defined here: <http://advpower.com/dcconnector.pdf>

DESKTOP PACKAGE:

