

APS56EMG SERIES:



50 Watt Desktop Power Supply with ITE & Medical Safety Approvals and Level VI Efficiencies

- 4.33 x 2.28 x 1.27"

Features:

- 50 Watts Output Power
- Medical & ITE Safety Approvals
- EN55011 / EN55022 / FCC Class B Emissions
- Safety Class I or Class II Input Models
- No Load Power < 0.16W
- 80~92% Efficiency
- Meets Level VI Efficiency Standards (except 5v)
- 2 Year Warranty

INPUT:

Input Voltage	90~264 VAC (Universal Input)
Inrush Current	13.4 Arms (72Apk) @ 230VAC (Cold Start)
Input Current	0.72A @ 115 VAC / 0.43A @ 230 VAC
No Load Power	< 0.16W @ 230 VAC
Hold Up Time	20mS @ 115VAC / 81mS @ 230VAC
Leakage Current	< 0.18ma @ 230VAX (Class I)

GENERAL:

Efficiency	80~92%
Operating Temperature	-20 to 40°C Full Load, derate linearly to 50% Load from 40°C to 50°C
Storage Temperature	-40 to +85°C
Cooling	Convection Cooled
Operating Humidity	5-90% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis

OUTPUT:

Adjustment Range	Fixed
Minimum Load	None
Load Regulation	±3% (max)
Line Regulation	±0.1% (Typical)
Ripple & Noise	±1% typ. pk-pk @ 20MHz
Overload Protection	120-130% of max power (Hiccup Mode)
Over Voltage	Latching before 150% of nominal
Short Circuit Protection	Trip without damage & auto-recovery
Transient Response	recovers <1ms following a 25% load change

APPROVALS:

Emissions	EN55011 / EN55022 / FCC Class B
Safety Approvals	IEC60601-1 (Medical) IEC60950-1 (ITE) CE Mark (LVD)

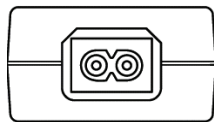
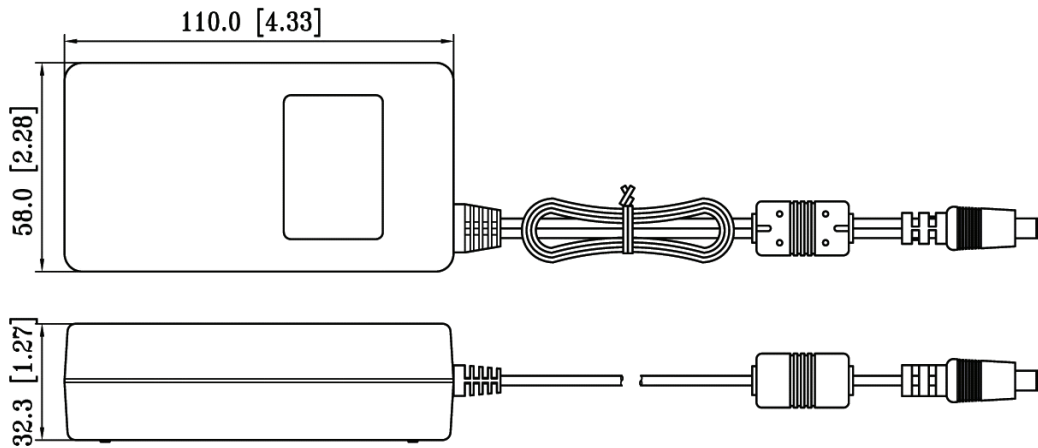
APS56EMG SERIES:

Output Specifications:

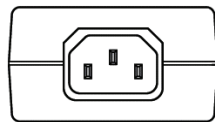
Active PFC	Vout	Iout
APS56EMG-S050700-a-xxx	5.0Vdc	7.00A
APS56EMG-S120420-a-xxx	12.0Vdc	4.20A
APS56EMG-S150333-a-xxx	15.0Vdc	3.33A
APS56EMG-S240215-a-xxx	24.0Vdc	2.15A
APS56EMG-S480110-a-xxx	48.0Vdc	1.10A

- Replace "a" 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 "xxx" with output connector option desired as defined here: <http://advpower.com/dcconnector.pdf>
- DC Cable length is 1000mm for ≤12V Models and 2000mm for ≥15V models (±50mm)
- Consult APS for Unique Voltage Setpoints

MECHANICAL OUTLINE:



SUFFIX "8"
IEC-320-C8
SAFETY CLASS II



SUFFIX "7"
IEC-320-C14
SAFETY CLASS I