

APS106PMG SERIES:



100 Watt Desktop Power Supply Medical Safety Approvals and Level VI Efficiencies

- 5.91 x 2.36 x 1.32"

Features:

- 100 Watts Output Power
- Medical Safety Approvals
- EN55011 / FCC Class B Emissions
- Safety Class I or Class II Input Models
- No Load Power < 0.21W
- 88-91% Efficiency
- Meets Level VI Efficiency Standards
- 2 Year Warranty

INPUT:

Input Voltage	90~264 VAC (Universal Input)
Inrush Current	7.2 Arms (72Apk) @ 230VAC (Cold Start)
Input Current	1.04A @ 115 VAC / 0.54A @ 230 VAC
No Load Power	< 0.21W @ 230 VAC
Hold Up Time	22mS @ 115VAC / 43mS @ 230VAC
Leakage Current	< 0.13ma @ 230VAX (Class I)
Power Factor	0.98 TYPICAL @ 230VAC (Full Load)

GENERAL:

Efficiency	88~91%
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	±0.3% (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 / FCC Class B
Safety Approvals	UL/EN 60601-1 (Medical) CE Mark (LVD)

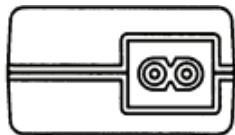
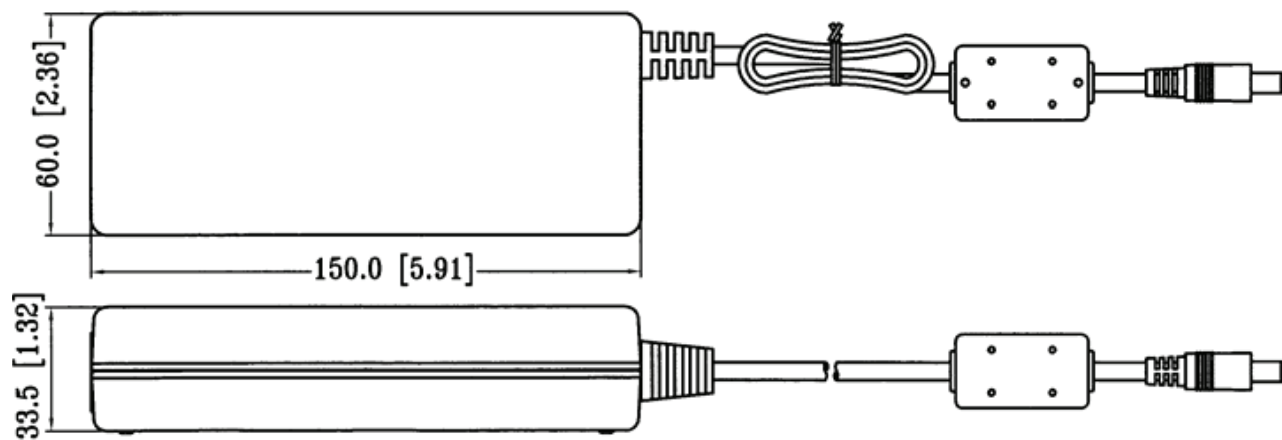
APS106PMG SERIES:

Output Specifications:

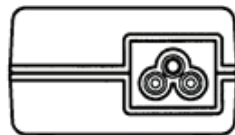
Active PFC	Vout	Iout
APS106PMG-S120750-a-xxx	12.0Vdc	7.50A
APS106PMG-S150650-a-xxx	15.0Vdc	6.50A
APS106PMG-S190560-a-xxx	19.0Vdc	5.60A
APS106PMG-S240440-a-xxx	24.0Vdc	4.40A
APS106PMG-S360290-a-xxx	36.0Vdc	2.90A
APS106PMG-S480220-a-xxx	48.0Vdc	2.20A

- 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 C6 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-C6
SAFETY CLASS I