



# 90 Watt Series

Desktop Type

ATM090A4 -  X X X

A : C8 ←  → O / P Voltage  
 G : C6  
 P : C14



### Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

### Output

Load Regulation	±5% ( Typical )
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Model	O/P Voltage	O/P Current	Watt
ATM090A4- <input type="checkbox"/> 120	12.0V	7.50A	90.0W
ATM090A4- <input type="checkbox"/> 150	15.0V	6.00A	90.0W
ATM090A4- <input type="checkbox"/> 180	18.0V	5.00A	90.0W
ATM090A4- <input type="checkbox"/> 190	19.0V	4.70A	89.3W
ATM090A4- <input type="checkbox"/> 240	24.0V	3.75A	90.0W

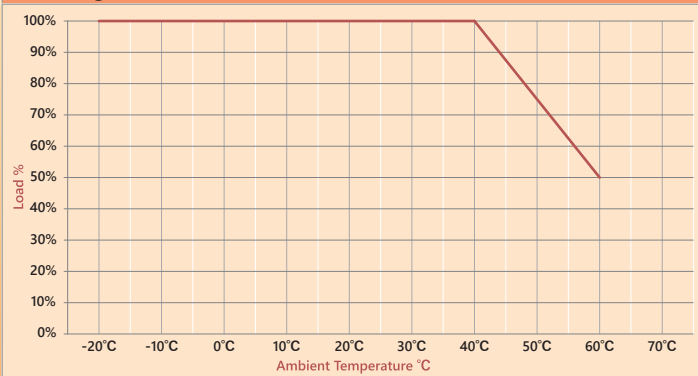
### Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A-0.5A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

### Electrical

Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100µA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

### Derating Curve



### Environmental

Operating Temperature	-20 to + 40°C
Storage Temperature	-20 to + 80°C
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

### Mechanical

Case Dimension	L133.5 × W53.5 × H33 (mm)
Weight	330g (Ref.)