

# Open Frame Power Supply 200 Watt Small Size Series

ATM200TS - F X X X

Q / P Voltage ←

Blank : Open Frame  
X : Enclosed Type

## Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection : 2 X MOPP
- IEC/EN/UL 62368-1
- 100-240VAC Universal Input
- 200W With Fan
- Regulated Output With Low Ripple Noise
- 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 for 50% Load Change Typical
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

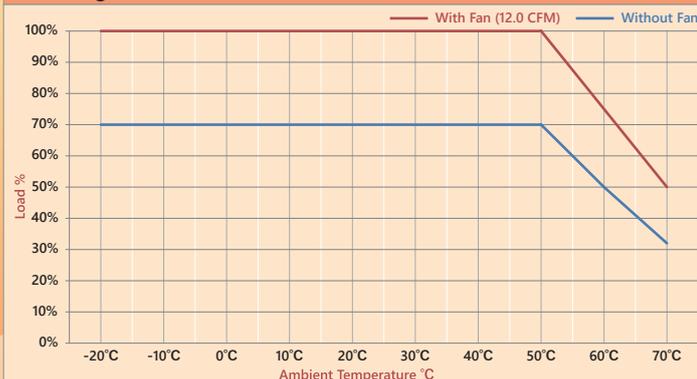
Model	O/P Voltage	O/P Current		Watt	
		Convection	With Fan*	Convection	With Fan*
ATM200TS-F120 <input type="checkbox"/>	12.0V	11.6A	16.0A	140W	192W
ATM200TS-F150 <input type="checkbox"/>	15.0V	9.3A	13.0A	140W	195W
ATM200TS-F240 <input type="checkbox"/>	24.0V	5.8A	8.3A	140W	200W
ATM200TS-F360 <input type="checkbox"/>	36.0V	3.9A	5.5A	140W	200W
ATM200TS-F480 <input type="checkbox"/>	48.0V	2.9A	4.2A	140W	200W

\*With 12 CFM Fan

## Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.5A-1A
Protection	Internal Primary Current Fuse

## Derating Curve



## Electrical

Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100µA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

## Environmental

Operating Temperature	-20 to + 50°C
Storage Temperature	-20 to + 80°C
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	140W with Convection Cooling 200W with Forced Cooling

## Mechanical

Dimension	Open Type : L 101.6 × W 50.8 × H 36.1 (mm) 4" x 2" x 1.42"
	Enclosed Type : L 103.4 × W 62 × H 42.9 (mm) 4.07" x 2.44" x 1.69"
Weight	Open Type : 284g (Ref.)
	Enclosed Type : 306g (Ref.)