

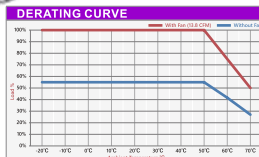
Open Frame Dual Output 450 Watt Series

ATM450S - F X X X □

O/P Voltage



Blank : Open Frame
X : Enclosed Type Without Fan
X : Enclosed Type With Top Fan
X : Enclosed Type With Side Fan



Features:

With 13.8CFM Fan

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC: IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- Leakage current < 100µA
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- IEC/UL 62368-1
- 450W With Fan
- On & Off Remote Control
- Standby 5V/1A
- 12V / 0.6A Output for Fan

Model	O/P Voltage	O/P Current		O/P for Fan	Watt	
		Convection	With Fan		Convection	With Fan
ATM450S-F120□	12.0V	20.8A	37.5A	12V /0.6A	260W	462W
	5.00V	1.0A				
ATM450S-F150□	15.0V	16.6A	30.0A	12V /0.6A	260W	462W
	5.00V	1.0A				
ATM450S-F190□	19.0V	13.0A	23.7A	12V /0.6A	260W	462W
	5.00V	1.0A				
ATM450S-F240□	24.0V	10.4A	18.8A	12V /0.6A	260W	463W
	5.00V	1.0A				
ATM450S-F360□	36.0V	6.90A	12.5A	12V /0.6A	260W	462W
	5.00V	1.0A				
ATM450S-F480□	48.0V	5.20A	9.40A	12V /0.6A	260W	463W
	5.00V	1.0A				
ATM450S-F540□	54.0V	4.60A	8.30A	12V /0.6A	260W	460W
	5.00V	1.0A				
ATM450S-F560□	56.0V	4.50	8.00A	12V /0.6A	260W	460W
	5.00V	1.0A				

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	5.3A - 2.2A
Protection	Internal Primary Current Fuse

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

Electrical

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

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	250W with Convection Cooling 450W with Forced Cooling

Mechanical

Dimension	Open Frame:	Ope L 127 x W 76 x H 34 (mm) 5" x 3" x 1.3"
	Enclosed Type: (Top Fan)	L 127 x W 87 x H 50 (mm) 5" x 3.4" x 2.0"
	Enclosed Type: (Side Fan)	L 148 x W 80 x H 41 (mm) 5.9" x 3.2" x 1.6"
Weight	Open Frame:	390g (Ref.)
	Enclosed Type (Top Fan) :	570g (Ref.)
	Enclosed Type (Side Fan) :	660g (Ref.)

