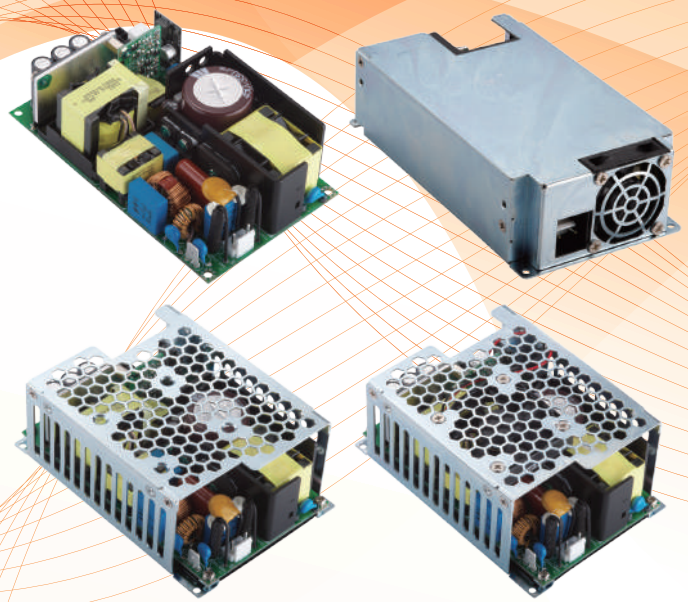
NEW

Level VI

I.T.E. / Medical Open Frame Dual Output 450 Watt Series



ATM450S-F X X X □

O / P Voltage

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

Green Mode
Meet CEC, DoE Level VI, ErP Stage 2
No Load Power Consumption Less Than 0.21W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- Means of Protection : 2 X MOPP
- Touch Current : < 100μA
- IEC/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- 450W With Fan
- Standby 5V / 1A
- On & Off Remote Control
- 12V / 0.6A Output for Fan
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		O/P for Fan	Watt	
		Conve-ction	With Fan*		Conve-ction	With Fan*
ATM450S-F120□	12.0V	20.8A	37.5A	12V /0.6A	260W	462W
	5V	1.0A				
ATM450S-F150□	15.0V	16.6A	30.0A	12V /0.6A	260W	462W
	5V	1.0A				
ATM450S-F190□	19.0V	13.0A	23.7A	12V /0.6A	260W	462W
	5V	1.0A				
ATM450S-F240□	24.0V	10.4A	18.8A	12V /0.6A	260W	463W
	5V	1.0A				
ATM450S-F360□	36.0V	6.9A	12.5A	12V /0.6A	260W	462W
	5V	1.0A				
ATM450S-F480□	48.0V	5.2A	9.4A	12V /0.6A	260W	463W
	5V	1.0A				
ATM450S-F540□	54.0V	4.6A	8.3A	12V /0.6A	260W	460W
	5V	1.0A				

*With 12 CFM Fan

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	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Safety Approvals
CB / UL / cUL / FCC / CE / TÜV SÜD Mark

Electrical	
Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	250W With convection cooling
	450W With fan cooling

Mechanical	
Dimension	Open Frame：L 127 × W 76 × H 38 (mm)
	5” x 3” x 1.5”
	Enclosed Type：L 127 × W 87 × H 50 (mm)
	(Top Fan) 5” x 3.4” x 2.0”
	Enclosed Type：L 148.2 × W 80 × H 40.6 (mm)
	(Side Fan) 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.)

c UL us TÜV SÜD CB CE FC RoHS