



IT / Medical Open Frame Dual Output 450 Watt Series

Level VI



mO450-10XX

O / P Voltage

Blank: Open Frame
X: Enclosed Type
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 :

- ANSI/AAMI/IEC/EN ES60601-1:2012 (edition 3.1)
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- IEC/UL 62368-1 & EN60950-1
- 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	
		Convection	With Fan*		Convection	With Fan*
mO450-1012	12.0V	20.8A	37.5A	12V/0.6A	260W	462W
	5V	1.0A				
mO450-1015	15.0V	16.6A	30.0A	12V/0.6A	260W	462W
	5V	1.0A				
mO450-1019	19.0V	13.0A	23.7A	12V/0.6A	260W	462W
	5V	1.0A				
mO450-1024	24.0V	10.4A	18.8A	12V/0.6A	260W	463W
	5V	1.0A				
mO450-1036	36.0V	6.9A	12.5A	12V/0.6A	260W	462W
	5V	1.0A				
mO450-1048	48.0V	5.2A	9.4A	12V/0.6A	260W	463W
	5V	1.0A				
mO450-1054	54.0V	4.6A	8.3A	12V/0.6A	260W	460W
	5V	1.0A				
mO450-1056	56.0V	4.5A	8.0A	12V/0.6A	260W	460W
	5V	1.0A				

*With 12CFM 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	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	Over Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Safety Approvals

CB / UL / cUL / FCC / CE / TUV SUD Mark

Electrical

Topology	LLC
Dielectric Withstans	4000VAC Primary - Secondary
Touch Current	< 100µA
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
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	250W With Convection Cooling 450 W With Fan Cooling

Mechanical

Dimension	Open Frame L 127 × W 76 × H 34 (mm) 5" x 3" x 1.3"
	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)
Weight	Side Fan: 5.9" x 3.2" x 1.6"
	Open Frame: 390 g (Ref.) Enclosed Type (Top Fan) 570 g (Ref.) Enclosed Type (Side Fan) 860 g (Ref.)



CB RoHS