



300 Watt Medical Series

Desktop Type

mA300 - 10XX YY



Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2
No Load Power Consumption Less Than 0.5W

Features :

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 edition 3.1)
- EMC : IEC60601-1-2 : 2014 (edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- 100-240VAC Universal Input
- Single Output to 300W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
mA300-1012	12.0V	25.00A	300W
mA300-1012	15.0V	20.00A	300W
mA300-1012	24.0V	12.50A	300W
mA300-1012	48.0V	6.25A	300W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.4A-1.6A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14/C18

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	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	UL 2464
Ferrite Core	NO(Optional)

Safety Approvals

CB / UL / cUL / FCC / CE / T-mark(TUV) / PSE

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2 Certified
EMI Conduction & Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to EN61000-3-2
EMS Immunity	Compliance to IEC60601-1-2
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 254 x W 116 x H 47 (mm) (Ref.)
Weight	1600 g (Ref.)