



120 Watt Series

Desktop Type

MD - X X X ◊ ◊

O / P Voltage ← → O / P Current



Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI
NO Load Power Consumption Less Than 0.21W

Features:

- 100-240VAC Universal Input
- Single Output to 120W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
MD-12090	12V	9.00A	108W
MD-15080	15V	8.00A	120W
MD-16075	16V	7.50A	120W
MD-18066	18V	6.60A	120W
MD-19063	19V	6.30A	120W
MD-20060	20V	6.00A	120W
MD-24050(*)	24V	5.00A	120W
MD-30040	30V	4.00A	120W
MD-48025	48V	2.50A	120W
MD-56021	56V	2.14A	120W

Input	
Voltage	100-240VAC
Line Frequency	50 - 60Hz
Current	1.6A Max.
Protection	Internal Primary Current Fuse , Inrush Limiting
Configuration	IEC60320/C6, C14

Output	
Load Regulation	±5% (Typical)
Ripple	1 ~ 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	18AWG/16AWG/14AWG
Ferrite Core	Yes

Safety Approvals	
CB / UL / cUL / FCC / GS / CE / PSE / BSMI / RCM / CCC	
(*) With KC mark	

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3 Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI Certified
EMI Conduction & Radiation	Compliance to EN55022 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to IEC61000-4-2,3,4,5,6,8,11
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 168 x W 66 x H 39 (mm) (Ref.)
Weight	590 g (Ref.)