



120 Watt Series

Desktop Type

Green Mode

Meet CEC Regulations & RoHS Compliance
No Load Power Consumption Less Than 0.5W

Features:

- 100-240VAC Universal Input
- Single Output to 120W
- Regulated Output with Low Ripple Noise
- Meets Safety Agency Requirements and Complies EMI/EMS
- Private Label Marking Available
- Modified and Custom Designs Available
- 1 Year Warranty

STD-□□□□□□



Safety Approvals

CB / UL / cUL / GS / CE / PSE / BSMI / CCC / RCM(not for C type)

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000 VAC Primary - Secondary
Leakage Current	3.5mA @ 3 Pin
Efficiency	Meet CEC & Energy Star
EMI Conduction & Radiation	Compliance to EN55022 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11
MTBF	50,000 Calculated Hours at 25°C, by MIL-HDBK-217F

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 Dimensions	L168 x W66 x H39 (mm)
Weight	590g (reference)

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Model	O/P Voltage	O/P Current	Watt
STD-12090	12V	9.0A	108.0 W
STD-15080	15V	8.0A	120.0 W
STD-16075	16V	7.5A	120.0 W
STD-18066	18V	6.6A	118.8 W
STD-19063	19V	6.3A	119.7 W
STD-20060	20V	6.0A	120.0 W
STD-24050	24V	5.0A	120.0 W
STD-44027C	44V	2.7A	118.8 W
STD-48025	48V	2.5A	120.0 W
STD-56021C	56V	2.15A	120.4 W

Input

Voltage	100-240 VAC
Line Frequency	50-60Hz
Current	1.6A Max.
Protection	Internal Primary Current Fuse, Inrush Limiting
Configuration	IEC320/ C6, C14

Output

Load Regulation	± 5% (Typical)
Ripple	1~2% V p-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Holdup 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



RoHS