

90 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 90W
- 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 / LPS

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 min 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	L139 x W61 x H36 (mm)
Weight	415g (reference)

Model	O/P Voltage	O/P Current	Watt
STD-1207	12V	7.0A	84 W
STD-1506	15V	6.0A	90 W
STD-1656	16V	5.6A	90 W
STD-1805	18V	5.0A	90 W
STD-1947	19V	4.74A	90 W
STD-2045	20V	4.5A	90 W
STD-2437	24V	3.75A	90 W

Input

Voltage	100-240 VAC
Line Frequency	50-60Hz
Current	1.2A Max.
Protection	Internal Primary Current Fuse, Inrush Limiting
Configuration	IEC320/ C6

Output

Load Regulation	± 5%
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
DC Cord	18AWG / 16AWG / 14AWG
Ferrite Core	Yes

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