



## 90 Watt Series

Small Size Desktop Type



### Green Mode

Meet CEC , Energy Star & ERP Regulations  
No Load Power Consumptions Less than 0.5W

### Features:

- Smaller size of 129 x 54 x 32mm
- 100-240VAC Universal Input
- Single Output to 90W
- Regulated Output with Low Ripple Noise
- Meets Energy Star Level V Compliance
- Meets Safety Agency Requirements and Complies EMI/EMS
- Private Label Marking Available
- Modified and Custom Designs Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
STD-15060	15V	6.0A	90 W
STD-16056	16V	5.6A	90 W
STD-18050	18V	5.0A	90 W
STD-19047	19V	4.74A	90 W
STD-20045	20V	4.5A	90 W
STD-24037	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
Ferrite Core	Yes

### STD-



### Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / LPS

### Electrical

Topology	Switching Flyback
Dielectric Withstand	3000 VAC Primary - Secondary
Leakage Current	3.5mA @ 3 Pin
Efficiency	Meet Energy Star Level V & ERP Stage 2
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

Operatring 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	L129 x W54 x H32 (mm)
Weight	340g (reference)



RoHS