



# 200 Watt Series

Desktop Type

STD - XX ◊ ◊ ◊ ◊ □

O / P Voltage

Blank : w/o on/off switch  
S : with on/off switch

O / P Current

## Green Mode

CEC, Energy Star Level V, ErP Stage 2, NRCAN & GEMS  
NO Load Power Consumption Less Than 0.5W

## Features :

- 100-240 VAC Universal Input
- Single Output to 200W
- Regulated Output with Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

## Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM

## Electrical

|                            |  |
|----------------------------|--|
| Topology                   | LLC  |
| Dielectric Withstand       | 3000VAC Primary - Secondary                              |
| Leakage Current            | 3.5mA @ 3Pin   |
| Efficiency                 | Energy Star Level V, ErP Stage 2, NRCAN & GEMS 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<br>Storage : 10 to 90% RH |
| Cooling               | Natural Convection Cooling                         |

## Mechanical

|                |  |
|----------------|--|
| Case Dimension | L 183 × W 81 × H 42 (mm)<br>L 203 × W 81 × H 42 (mm)-Switch type |
| Weight         | 850g ( Ref. )  |

| Model      | O/P Voltage | O/P Current | Watt |
|------------|-------------|-------------|------|
| STD-12160□ | 12.0V       | 16.0A       | 192W |
| STD-13140  | 13.5V       | 14.0A       | 189W |
| STD-18110□ | 18.0V       | 11.0A       | 200W |
| STD-19105□ | 19.0V       | 10.5A       | 200W |
| STD-20100□ | 20.0V       | 10.0A       | 200W |
| STD-24083□ | 24.0V       | 8.3A        | 200W |
| STD-48042  | 48.0V       | 4.2A        | 200W |

## Input

|                |                               |
|----------------|-------------------------------|
| Voltage        | 100-240VAC                    |
| Line Frequency | 50-60Hz                       |
| Current        | 2.8A Max.                     |
| Protection     | Internal Primary Current Fuse |
| Configuration  | IEC60320/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            | UL 2464 / 16AWG  |
| Ferrite Core       | No (Optional)  |