



## Volgen 200 Watt Series

Desktop Type [www.volgen.com](http://www.volgen.com)



KTPS200-□□ □□□ □



### Green Mode

Meet CEC, Energy Star & ERP Regulations  
No Load Power Consumption Less Than 0.5W

### Features:

- 100-240VAC Universal Input
- Single Output to 200W
- Regulated Output with Low Ripple Noise
- Meets Energy Star Level V Compliance
- Meets Safety Agency Requirements and Complies EMI/EMS
- C6 connector available on non-switch version upon request.
- Modified and Custom Designs Available
- 1 Year Warranty

| Model           | O/P Voltage | O/P Current | Watt |
|-----------------|-------------|-------------|------|
| KTPS200-12160/S | 12V         | 16.0A       | 192W |
| KTPS200-18110/S | 18V         | 11.0A       | 200W |
| KTPS200-19105/S | 19V         | 10.5A       | 200W |
| KTPS200-19105/S | 20V         | 10.0A       | 200W |
| KTPS200-24083/S | 24V         | 8.3A        | 200W |
| KTPS200-48042/S | 48V         | 4.2A        | 200W |

### Input

|                |                                                |
|----------------|------------------------------------------------|
| Voltage        | 100-240 VAC                                    |
| Line Frequency | 50-60Hz                                        |
| Current        | 2.8A Max.                                      |
| Protection     | Internal Primary Current Fuse, Inrush Limiting |
| Configuration  | IEC320/ C14(Standard), C6                      |

### Output

|                    |                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------|
| Load Regulation    | ± 5% (Typical)                                                                                         |
| Ripple             | 3~5% 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            | UL2464, 18AWG / 16AWG                                                                                  |
| Ferrite Core       | No (Optional)                                                                                          |

### Safety Approvals

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

### Electrical

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| Topology                 | LLC                                               |
| 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 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 | L183 x W81x H42 (mm)<br>L203 x W81 x H42 (mm)-Switch type |
| Weight          | 850g (reference)                                          |

