

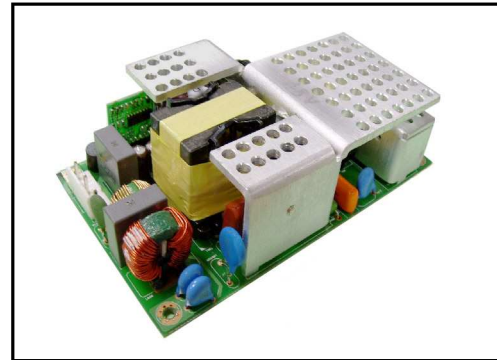


Medical Single or Dual Output

3.0" W x 5.0" L x 1.38" H

EAGLE SERIES Model SMM201

Total Output Power	150/200 watt
Output Channels	Single or Dual
Input Mains Voltage	90-264VAC



FEATURES

- 200 watt single or dual output ZVS power supply
- High Efficiency 90% typical
- Open PCB construction
- Output voltages:
 - V1 Hi-current Main output available with any voltage from 12 to 60 V up to 16.7A current rating
 - V2 Auxiliary output available with any voltage from 3.3 to 12.0 V rated up to 5.0A maximum
- 150 watt convection rating
- Hi-density Compact footprint of 3.0"W x 5.0"L x 1.38"H
- UL2601, IEC601 and CSA22.2 No. 601 pending
- Low leakage current less than 300 µA @ hi-line 264 VAC
- Dual AC fusing on both lines

ENVIRONMENTAL

Operating temperature: 0°C to 50°C derate output power at 2.5% per degree from 50° to 70°C.

Storage temperature: -40°C to 85°C

Temperature coefficient: ± 0.03% per °C

Cooling - Convection cooled (150 W) and 200 W with 15 lfm of directed airflow

Humidity: Operating; non-condensing 5% to 95%

Shock and Vibration: 2G on 3 axis

GENERAL SPECIFICATIONS

Input

Input voltageUniversal input 90 to 264 VAC
 Power Factor0.95
 Frequency47-63 Hz
 Input current.....2.2A @ 115 VAC
 1.2A @ 230 VAC
 Inrush current35A @ 115 VAC max., cold start @ 25°C 70A @ 230 VAC
 Efficiency90% typical at full load, nom. line
 EMI filterFCC Class "B", CISPR 22 Class "B" and EN55022 Class B.
 Earth leakage currentless than 135 µA @ 132 VAC input. Less than 270µA @ 264 VAC input. Lower leakage models optional. Contact factory for option code
 Isolation voltage:
 Input to output4200 VAC
 Input to chassis1500 VAC

Output

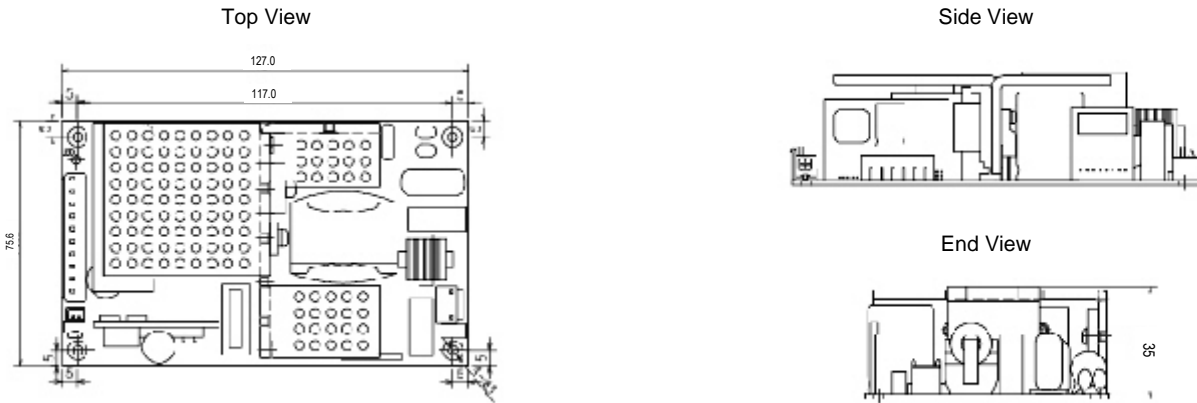
Output voltageSee Table
 Output voltage trim±1 V typical
 Maximum power 200 watts
 Minimum LoadNo minimum load required
 Start-up delay2 s max.
 Start-up rise time2 ms
 Hold-up time.....>12 ms @ 150 W load, 115 VAC nominal line at factory voltage setting.
 Line Regulation1% max., 0.5% typical
 Load Regulation3% max., 1% typical
 Transient Response4% max. deviation, 500 µs recovery time for a 50% load change
 Ripple & Noise1% pk-to-pk expressed as a percentage of output voltage. Measured at 20MHz bandwidth.

Physical

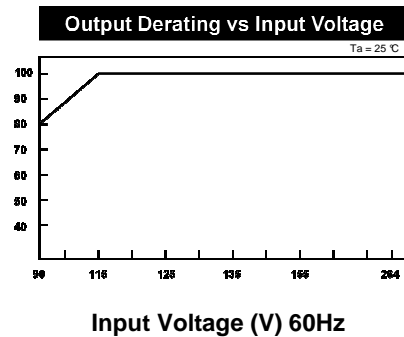
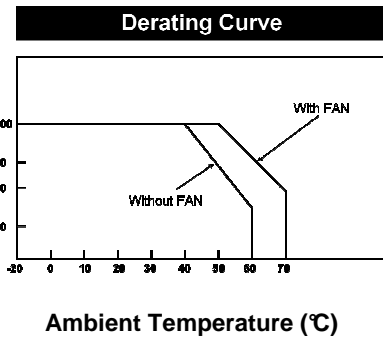
Size3.0" W x 1.38" H x 5.0" L
 (75.6 mm x 35 mm x 127 mm)
 Weight0.80 lbs. (0.363 kg.)
 Construction.....Open style PCB with 4 mounting holes

TYPICAL SMM201 MODEL NUMBERS							
Model Number	Output V1 (Main)				Output V2 (optional)		
	Convection / Forced Air	Output Voltage	Output Current	Tolerance	Output Voltage	Output Current	Tolerance
SMM201-12	150 W / 200 W	12V	12.A/16.7A	±3%	/	/	/
SMM201-12-3.3	150 W / 200 W	12V	12.A/16.7A	±3%	3.3V	3.8A/5A	±3%
SMM201-12-5	150 W / 200 W	12V	12.A/16.7A	±3%	5V	3.8A/5A	±3%
SMM201-15	150 W / 200 W	15V	10A/13.3A	±3%	/	/	/
SMM201-15-3.3	150 W / 200 W	15V	10A/13.3A	±3%	3.3V	/	±3%
SMM201-15-5	150 W / 200 W	15V	10A/13.3A	±3%	5V	/	±3%
SMM201-24	150 W / 200 W	24V	6.25A/8.3A	±2%	/	/	/
SMM201-24-3.3	150 W / 200 W	24V	6.25A/8.3A	±2%	3.3V	/	±3%
SMM201-24-5	150 W / 200 W	24V	6.25A/8.3A	±2%	5V	/	±3%
SMM201-24-12	150 W / 200 W	24V	6.25A/8.3A	±2%	12V	/	±3%
SMM201-36	150 W / 200 W	36V	4.17A/5.56A	±2%	/	/	/
SMM201-36-3.3	150 W / 200 W	36V	4.17A/5.56A	±2%	3.3V	/	±3%
SMM201-36-5	150 W / 200 W	36V	4.17A/5.56A	±2%	5V	/	±3%
SMM201-36-12	150 W / 200 W	36V	4.17A/5.56A	±2%	12V	/	±3%
SMM201-48	150 W / 200 W	48V	3.13A/4.17A	±2%	/	/	/
SMM201-48-3.3	150 W / 200 W	48V	3.13A/4.17A	±2%	3.3V	/	±3%
SMM201-48-5	150 W / 200 W	48V	3.13A/4.17A	±2%	5V	/	±3%
SMM201-48-12	150 W / 200 W	48V	3.13A/4.17A	±2%	12V	/	±3%

Note: 1. Other voltages available in increments 0.1 V. Contact factory representative for model number
 2. Convection ratings shown are at 50°C ambient. Derate load 2.5%/°C to 70°C
 3. Fan cooled rating of 200 W @ 50°C requires 15 lfm of directed airflow over the power supply



Dimensions: 3.0"W x 1.38"H x 5.0"L (75.6mm x 35mm x 127mm)



Note: All specification information subject to change without notice