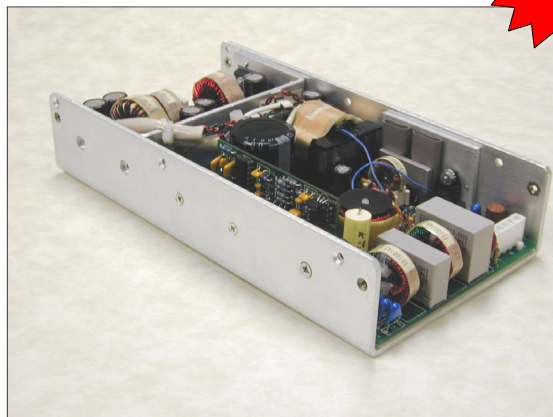


Medical Switcher

EAGLE SERIES Model SMM200

Total Output Power	150/200 watts
Output Channels	Dual, Triple or Quad
Input Mains Voltage	90-264VAC



STANDARD FEATURES

- Wide range Power Factor Corrected 90 to 264VAC, 47 to 63Hz. single phase
- Less than 70 μ A leakage
- EMI compliance to CISPR22, FCC Class B
- Designed to meet UL2601, IEC601-1 and CSA 22.2 No. 601.1
- Short circuit protection with auto-recovery
- Power fail, Current limit, OVP and thermal protection
- Dual AC fusing protecting 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: $\pm 0.03\%$ per °C

EMI compliance to CISPR 11 Class B

Humidity: Operating; non-condensing 0% to 95%

Shock and Vibration: Designed to MIL-STD 810E

GENERAL SPECIFICATIONS

Input

Input range90 to 264VAC
 Power Factor0.99
 Frequency47-63 Hz
 Inrush current37A max., cold start @ 25°C
 Efficiency70% typical at full load, nom. line
 EMI filterFCC Class "B", CISPR 22 Class "B" and EN55022 Class B.
 Leakage currentless than 70 μ A @ 132 VAC input. Less than 130 μ A @ 264 VAC input. Lower leakage models optional. Contact factory for option code

Output

Maximum power150W max. with unrestricted convection cooling. 200W max. with 150 LFM of system directed airflow.
 Power LimitApprox. 115% of rated limit
 Hold-up time.....20 ms @ 150W load, 115 VAC nominal line at factory voltage setting.
 Overload protectionShort circuit protection on all outputs.
 Overvoltage protectionMain output 125%, $\pm 10\%$
 RegulationLine & load 1%. A minimum load of 10% is required on output V1 for defined regulation.

Logic Control

Power failureTTL logic signal goes low after loss of 5V output.
 DC OKTTL logic compatible.
 Remote senseCompensates for 0.5 V lead drop min. Will operate without remote sense connected.
 Reverse connection protected.

Physical

Size4.5"W x 1.70"H x 8.5"L
 (114.3mm x 49.53mm x 215.9mm)
 Weight2.4 lbs. (1.09 kg.)

TYPICAL OUTPUT RATINGS

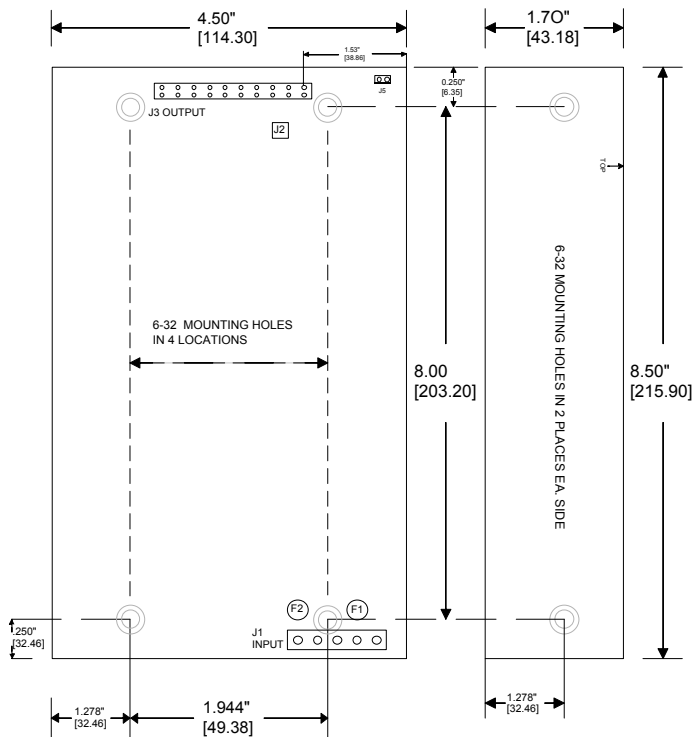
Main Output V1			Output V2			Output V3			Output V4		
Output	Output ¹	Output ²	Output	Output ¹	Output ²	Output	Output ¹	Output ²	Output	Output ¹	Output ²
Voltage	Current	Current	Voltage	Current	Current	Voltage	Current	Current	Voltage	Current	Current
3.3V	20A	20A									
5V	20A	20A	5V	6.0A	8A	5V	4A	5A	5V	2A	3A
12V	8.3A	10.4A	12V	6.0A	8A	12V	4A	5A	12V	2A	3A
15V	6.7A	8.3A	15V	5.0A	7.5A	15V	4A	5A	15V	2A	3A
24V	4.2A	5.2A	24V	4.0A	5A	24V	4A	5A	24V	2A	3A
36V	2.8A	3.5A	Example Model Number				SMM200	-05	-12	-12	-24
48V	2.1A	2.6A	Quad Output				200W	5V/20A	12V/8A	12V/5A	24V/3A

Notes: ¹Output current rating is for unrestricted convection cooling. Total power not to exceed max. output rating

²Output current rating with 150LFM of directed airflow. Total power not to exceed max. output rating

Aux. fan output is rated at 12VDC @ 250mA

MECHANICAL



NOTES

- Specifications subject to change without notice.
- All dimensions in inches (mm), tolerance is ± 0.02 ".
- Specifications are at factory settings.
- Mounting maximum insertion depth is 0.12".
- Warranty: 1 year
- Weight: 2.5 lb / 1.13 kg

I/O CONNECTORS

AC Power Input J1 - Molex p/n 39-30-2056

Mate: MOLEX, housing 39-01-4051 contact 39-00-0164

PIN #	REFERENCE
1	AC GROUND
2	N/C
3	AC NEUTRAL
4	N/C
5	AC LINE

DC Output Power J3 - Molex p/n 39-29-9206

Mate: MOLEX, housing 39-01-2200 contact 39-00-0164

PIN #	REFERENCE
1	V3OUT
2	V4OUT
3, 12, 13	COMMON
4	V2 SENSE
5, 14, 15	V2OUT
6-8, 16	COMMON
9, 10, 19, 20	+V1OUT
11	+V3 RTN
17, 18	COMMON

Signal Interface J2 - AMP p/n 641215-6

Mate: AMP housing p/n 770602-6 contact p/n 770666-2

PIN #	REFERENCE
1	SENSE +
2	SENSE -
3	POWER FAIL
4	DC GOOD
5	COMMON
6	INHIBIT

Fan Output Connector (J5) AMP p/n 641215-2

Mate AMP housing p/n 770602-2 contact p/n 770666-2

PIN #	REFERENCE
1	FAN RTN
2	FAN OUTPUT +