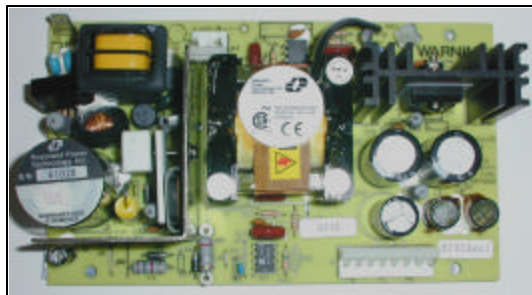


# RSM Series Product Specification

AC/DC Medical Grade Power Supplies for Patient Contact



RSM Series 65 Watt Power Supplies	
Cost effective 65 Watt Medical Grade AC/DC Converters with Wide Range Input	
Model Number	Volts DC @ Amps
RSM-65/4	
Output 1	5V/12V/15V/24V/30V/36V @ 65W
Output 2	12V/15V/24V @ 3A max
Output 3	5V/12V/15V @ 0.5A max
Output 4	5V @ 0.5A
Form Factor: 3.5" x 6" x 1.8"	

## Input Specifications

AC Input Voltage Range..... 85-264Vac  
 Input Frequency..... 47-63 Hz  
 Input Protection..... Internal Fuse  
 Inrush Current: 115Vac / 230Vac... 15A max/30A at 25° C cold start  
 Input EMI Filter..... EN 55011, CISPR 11 Class B  
 Leakage Current..... 100uA max @ 240VAC 50hz  
 Safety Ground..... 50uA max @ 110VAC 60hz

## Output Specifications

Total Output Power..... 12-65 Watts  
 Line / Load Regulation..... +/- 0.5% maximum at full load  
 Ripple..... 1% peak-to-peak maximum  
 Hold-Up Time..... 15 mSec minimum at nominal input  
 Temperature Coefficient..... +/- 0.04%/degree C max  
 Overload Protection..... Standard  
 OverVoltage Protection..... Output 1 only, 112-132% of its nominal voltage

## Safety Agency Certifications

UL 544/2601  
 CSA C22.2 No.125  
 EN 55011, CISPR II Class B  
 IEC/EN 60601.1  
 IEC/EN 61000-3-2/3 compliant  
 CE Marked

## Environmental Specifications

Operational Temperature..... 0° to 70° C (with forced aircooling)  
 Fan and/or Cover/Enclosure..... Optional  
 Storage Temperature..... -40° to 75° C  
 Humidity..... 5-95%, non-condensing  
 Altitude..... 10,000 feet with appropriate cooling  
 Vibration..... MIL-STD-810C, Method 514.2, Category f, Procedure VIII, 2.0G maximum at 5-200Hz.  
 Shock..... MIL-STD-810C, Method 516.2, Category f, Procedure I, 3 shocks per axis/each direction, 11 mSec half sine at 15 Gs peak  
 Derating..... Derated from 100% at 50° C linearly to 50% at 70° C

## General Specifications

Transient Response..... Max excursion at 4% or better, recovering to 1% of final vale within 500us after 25% step load change  
 Efficiency..... 70% minimum at 65W output  
 Hold-Up Time..... 10 msec minimum at nominal input  
 Hi-Pot dielectric strength..... 4000VAC from input to Output, 1500VAC from input to ground, 500VAC from output to ground  
 Insulation Resistance..... 10 MOhm minimum from output to ground  
 MTBF..... 100,000 hours minimum at full load, 25° C ambient  
 Functional Verification..... 100% in circuit tested, 100% Pre Burn-In Parametric tested, 100% Post Burn-In Parametric tested with our burn in process subjecting each unit to 12 hours at elevated temperatures with power cycling  
 Product Warranty..... 1 year warranty against defects and workmanship



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\*Subject to change without notice

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