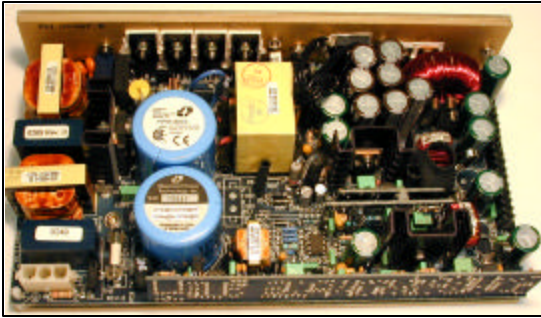


# RPM Series Product Specification

AC/DC Medical Grade Power Supplies for Patient Contact



RPM Series 300 Watt Power Supplies	
Medical Grade AC/DC Converters with Auto Ranging Input.	
Surge Capacity of up to 520 Watts	
Model Number RPM-300/4	Volts DC @ Amps
Output 1	12V/15V/24V/36V/48V @ 300W
Output 2	5V to 24V @ 20A or 240W
Output 3	5V to 24V @ 3A
Output 4	5V to 24V @ 3A
Form Factor: 4.9" x 8.9" x 2.25"	

## Input Specifications

AC Input Voltage Range..... 85-132 Vac, 180-264Vac  
Input Frequency..... 47-63 Hz  
Input Protection..... Internal Fuse  
Inrush Current: 117Vac / 230Vac... 20A max/40A max  
Input EMI Filter..... FCC/CISPR11 Class B  
Earth Leakage Current..... < 100uA @ 240Vac 50HZ

## Output Specifications

Line / Load Regulation..... (Output 1, 2, 3, 4) 1% nominal  
Ripple..... 20mV peak-to-peak  
Hold-Up Time..... 30 mSec  
Temperature Coefficient..... 0.05%/ °C  
Overload Protection..... Fold back with automatic recovery  
Thermal Protection..... Fold back with automatic recovery  
OverVoltage Protection..... Standard on all units, Outputs 1 & 2  
Power Good Signal..... Optional  
AC Power Fail Detect..... Optional

## Safety Agency Certifications

UL 2601/60950  
CSA 601.1/950  
IEC/EN 60601.1/60950  
CE Marked

## Environmental Specifications

Operational Temperature..... 0° to 40° C (with forced air cooling)  
Thermal Characteristics..... Operating at 80 Watts with free air & 320 Watts with forced air at 200 LFM @ 40° C  
Fan and/or Cover..... Optional  
Storage Temperature..... -25° 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

## General Specifications

Transient Response..... 500 uSec to settle within 1% of the final value after a 25% load step  
Frequency..... 250 kHz Resonant Frequency  
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..... in excess of 100,000 hours at full load  
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..... 2 years warranty against defects and workmanship



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\*Subject to change without notice

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