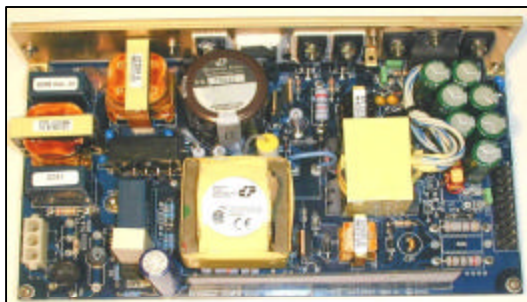


# RPF Series Product Specification

## AC/DC Medical Grade Power Supplies for Patient Contact



### RPF Series 360 Watt Power Supplies

Medical Grade AC/DC Converters ranging from 0-360 Watts  
Providing increased isolation between the DC output and AC  
ground. Power Factor Correction is standard on this unit.

**Surge Capacity of up to 530 Watts**

Model Number

RPF-360

Volts DC @ Amps

Output 1

12V/15V/24V/36V/48V @ 360W

Form Factor: 4.7" x 8.5" x 1.8"

### Input Specifications

AC Input Voltage Range..... 85-264Vac  
Input Frequency..... 47-63 Hz  
Input Protection..... Internal Fuse  
Inrush Current: 117Vac / 230Vac..... 20A max/40A max  
Wide Range Input..... Standard  
Input EMI Filter..... FCC/CISPR 11 Class B  
Earth Leakage Current..... <170uA @ 240Vac 50Hz  
Patient Leakage Ground..... <10uA

### Output Specifications

Line / Load Regulation..... 1% nominal  
Ripple..... 20mV peak-to-peak  
Hold-Up Time..... 30 mSec  
Temperature Coefficient..... 0.05%/°C  
Overload Protection..... Fold back with auto recovery  
Thermal Protection..... Fold back with auto 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 60601.1/61000-3-2/3  
CE Marked  
Type BF Isolation  
Type CF Isolation available

### Environmental Specifications

Operational Temperature..... 0° to 40° C (with forced air cooling)  
Thermal Characteristics..... Operating at 85 Watts with free air & 360 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, 1500Vac from output to ground  
Insulation Resistance..... 10 MOhm minimum from output to ground  
MTBF..... in excess of 150,000 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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