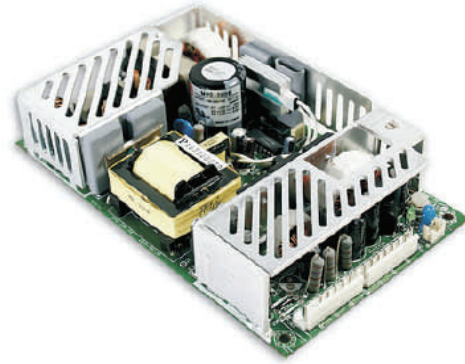


# MPS-200 Series

## 200W Single Output Medical PSU



### FEATURES

- Universal AC input - Full range
- Low leakage current <math>180\mu\text{A}</math>
- Short circuit / Overvoltage / Overload / Over-temp protections
- 140W for free air convection  
200W for forced air convection
- With power good & fail signal output (optional)
- Built-in remote ON/OFF control
- Built-in remote sense function
- Fixed switching freq. at 100kHz

### ENVIRONMENTAL

Operating Temp: -20 to +70°C  
With de-rating

Storage Temp: -40 to +85°C

### SAFETY / EMC (SEE NOTE 4)

UL60601-1  
EN60601-1  
IEC60601-1

EN55011 Class B  
EN55022 Class B  
EN61000-3-2,-3  
EN61000-4-2, 3, 4, 5, 6, 8, 11  
ENV50204

### ELECTRICAL SPECIFICATIONS

Model No.	MPS-120-XX					
XX	3.3	5	12	15	24	48
AC Input	90-264Vac, single phase, 47-440Hz					
DC Input	127-370VDC					
DC Output						
Voltage	3.3V	5V	12V	15V	24V	48V
Current (25CFM)	0-40A	0-40A	0-16.7A	0-13.4A	0-8.4A	0-4.2A
Current (convection)	0-28A	0-28A	0-11.7A	0-9.4A	0-5.9A	0-3A
Ripple & noise (p-p)	80mV	80mV	100mV	100mV	150mV	200mV
Voltage Tolerance	±2.0%	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%

Overload	120-160% rated output power. Hiccup mode. Recovers automatically after fault removed.
Over Voltage	115-135% rated output voltage. Output shuts down. Re-power on to recover.
Over Temperature	TSW1 = 95°C detected on heatsink of power transistor. Recovers automatically when temperature goes down.

Dimensions	177.8(L) x 107.2(W) x 35.5(H)mm
Weight	0.66Kg

- Notes:**
1. All parameters **NOT** specially mentioned are measured at 230V AC input, rated load and 25°C ambient temperature.
  2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
  3. Tolerance includes set up tolerance, line and load regulation.
  4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.



Specifications subject to change without notice

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