

MPU50 SERIES:



50 Watts / Single Output

- 5.69 x 2.97 x 1.69" External Desktop Package

Features:

- Universal AC Input (90~264 VAC Input Range)
- IEC-320 Inlet C14 or C6 Option
- Over Voltage / Current / Temperature Protection Circuits
- International Safety Approvals for Medical Applications
- Class B Emissions
- 2 Year Warranty

INPUT:

Input Voltage	90~264 VAC (Universal AC Input)
Input Frequency	47-63Hz
Inrush Current	90A @ 230 VAC (Max Cold Start)
Input Current	1500mA maximum
Input Protection	Dual Fuse
Hold-Up Time	10ms Minimum
Leakage Current	<300 μ A @ 240 VAC Maximum
Harmonics	EN61000-3-2 Class D Compliant

GENERAL:

Efficiency	65% minimum
Operating Temperature	0-40°C, derate linearly to 50% Load at 50°C
Storage Temperature	-40°C to +85°C
Cooling	Convection Cooled
Operating Humidity	5-95% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis
MTBF	>100k Hrs (according to MIL-HBK-217F) at 25°C

OUTPUT:

Minimum Load	n/a
Line Regulation	\pm 1% max
Load Regulation	\pm 5% max
Ripple & Noise	\pm 1% typ. pk-pk @ 20MHz
Overload Protection	All outputs protected to short circuit conditions
Over Voltage	Latching 112~132% of nominal

EMC:

Electrostatic Discharge	EN61000-4-2, \pm 4KV Contact / \pm 8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, \pm 2KV
Surges	EN61000-4-5, \pm 2KV Line-Earth, \pm 1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

APPROVALS:

Emissions EN55011 Class B

Safety Approvals UL/cUL 60601-1
TUV/GS EN60601-1
CE Mark (LVD)



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Output Specifications:

Model:	Vout	Max Output Current	Max Power
MPU50x-0	3.3V	7.50A	37.5W
MPU50x-1	5.0V	7.50A	37.5W
MPU50x-1-1	7.5V	5.33A	40W
MPU50x-2	9.0V	5.00A	45W
MPU50x-3	12V	4.17A	50W
MPU50x-4	15V	3.33A	50W
MPU50x-5	18V	2.78A	50W
MPU50x-6	24V	2.08A	50W
MPU50x-7	28V	1.79A	50W
MPU50x-8	48V	1.04A	50W

- Power Supply can be set to any voltage ranging between 3.0 ~ 30 VDC and maintain all safety approvals.
- Replace "x" with A or C to define Input Inlet per the drawing below.
- Standard Output Cable Length is 6 feet.
- Additional suffix to designate output connector is required, see connector options at <http://advpower.com/dcconnector.pdf>

OUTLINE DRAWING:

