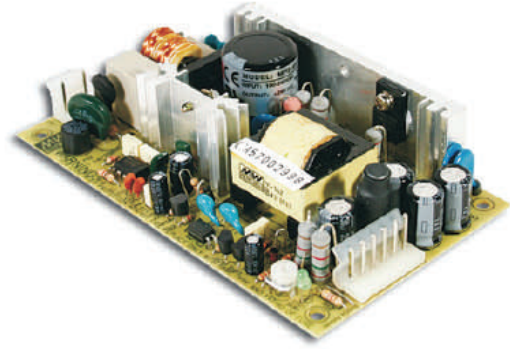


MPS-45 Series

45W Single Output Medical PSU



FEATURES

- Universal AC input - Full range
- Low leakage current <0.3mA
- Short circuit / Overvoltage / Overload / protections
- Cooling by free air convection
- Fixed switching freq. at 45kHz
- 100% full load burn-in test
- 3.3V, 7.5V & 13.5V available
Contact sales for details

ENVIRONMENTAL

Operating Temp: -10 to +60°C
With de-rating

Storage Temp: -20 to +85°C

SAFETY / EMC (SEE NOTE 4)

UL2601-1
EN60601-1
IEC60601-1

EN55011 Class B
EN61000-3-2,-3
EN61000-4-2, 3, 4, 5, 6, 8, 11
ENV50204
EN60601-1-2, medical level, criteria A



ELECTRICAL SPECIFICATIONS

Model No.	MPS-45-XX					
XX	5	12	15	24	27	48
AC Input	90-264Vac, single phase, 47-440Hz					
DC Input	127-370VDC					
DC Output						
Voltage	5V	12V	15V	24V	27V	48V
Current	0-8A	0-3.7A	0-3A	0-1.9A	0-1.7A	0-1A
Power (convection)	40W	44.4W	45W	45.6W	45.9W	48W
Power (max.)	52W (+3.3V = 35W) with 18CFM min. fan					
Ripple & noise (p-p)	100mV	100mV	100mV	100mV	100mV	100mV
Voltage Tolerance	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
Line Regulation	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
Load Regulation	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%

Overload 53~75W (3.3V: 36~55W) rated output power. Hiccup mode. Recovers automatically after fault removed.
5.75-6.75V 13.8-16.2V 17.25-20.25V 27.6-32.4V 31-36.45V 55.2-64.8V

Over Voltage Hiccup mode. Recovers automatically when fault removed

Dimensions 127(L) x 76(W) x 28(H)mm

Weight 0.18Kg

- Notes:
1. All parameters **NOT** specially mentioned are measured at 230VAC 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.
 5. Mounting holes M1 & M2 should be grounded for EMC purposes.

Specifications subject to change without notice

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