

100APS Series

- Wide Range AC Input
- IT and Medical Safety Approvals
- Green Mode, <0.3W at No Load
- 3" x 5" Package
- Low Earth Leakage Current (<0.1mA)
- 2 Year Warranty



Specifications

Input Voltage Range	90-264Vac
Frequency	47-63Hz
Max Input Current	1.5A at 90Vac, 0.75A at 264Vac
Max Inrush Current	30A at 115Vac, 60A at 230Vac
Efficiency	88% typical
No Load Power Consumption	<0.3W
Hold Up Time	20ms at 115Vac typical
Input Protection	Internal T3.15A / 250V fuse in line and neutral
Earth Leakage Current	<0.1mA normal condition, <0.3mA single fault condition at 264Vac/60Hz
Output Voltage	12-24VDC (See table)
Max Power	100W
Ripple & Noise	<1% (25°C with 10uF/0.47uF and 20MHz bandwidth)
Line Regulation	±0.5%
Load Regulation	±1%
Over Voltage Protection	110-150%
Over Current Protection	120-150%
Shock (non operation)	50G, 11ms, 3 shocks for each direction
Vibration (non operation)	5-500Hz, 2.09Grms, 20 minute for each three axis
Operating Temperature	-10 to 70°C, de-rate linearly from 100% load at 50°C to 50% load at 70°C
Storage Temperature	-40 to 85°C
Operating Humidity	10 to 90% RH, non-condensing
Storage Humidity	5 to 95% RH, non-condensing
MTBF	1528 kHrs based on Telecordia SR-332 at 25°C, 230 Vac and 100% of rated load
Dimensions (WxLxH)	76.2x127.0x31.0 mm(3.0x5.0x1.2 in)
Weight (typical)	0.21kg
Emissions	EN55011/22/FCC conducted / radiated class B
Harmonic Current	EN61000-3-2, class D
Voltage Flicker	EN61000-3-3
ESD Immunity	EN61000-4-2, ±6kV contact / ±8kV air Perf Criteria A
Radiated Immunity	EN61000-4-3, 3V/m Perf Criteria A
EFT	EN61000-4-4, level 3 (2kV) Perf Criteria A
Surge	EN61000-4-5, DM ±1kV / CM ±2kV Perf Criteria A
Conducted Immunity	EN61000-4-6, 3Vrms Perf Criteria A
Magnetic Field	EN61000-4-8, 3A/m Perf Criteria A
Voltage Dips	EN61000-4-11, 30% 10ms Criteria A ; 60% 100ms and 100% 5000ms Criteria B
Operating Altitude	3000m under IEC60601-1:2005, 5000m under IEC60950-1 (Ed.2,2005)
Safety Compliance	IEC60601-1:2005, EN60601-1:2006, CAN/CSA-C22.2 No. 60601-1:08
	ANSI/AAMI ES60601-1:2005
	IEC60950-1 (Ed.2,2005), GB4943.1-2011, GB9254-2008, GB17625.1-2003

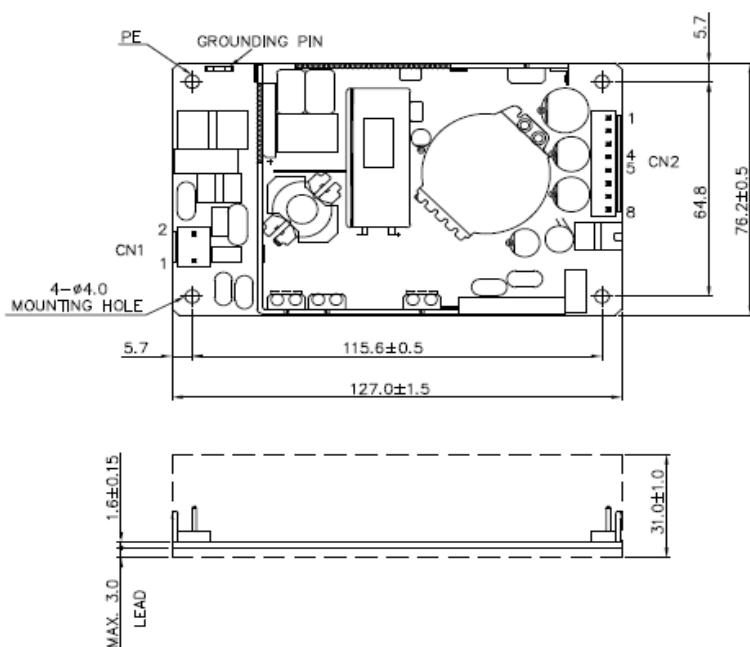
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Output Rating

Output Voltage	Output Current	Output Power	Model Name
12V	8.3A	100W	MDS-100APS12 BA
15V	6.7A	100W	MDS-100APS15 BA
18V	5.6A	100W	MDS-100APS18 BA
24V	4.2A	100W	MDS-100APS24 BA

Mechanical Drawing

Dimensions (WxLxH): 76.2x127.0x31.0 mm



ITEM	PIN No.	FUNCTION	MATING WITH
CN1	1	L	Molex 5196 series or equivalent
	2	N	
CN2	1-4	+V	Molex 5195 series or equivalent
	5-8	GND	

Unit: mm

Derating Curve

