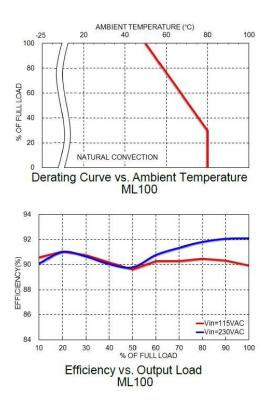


N2POWER ML100 AC-DC SERIES HIGH-EFFICIENCY MEDICAL POWER SUPPLIES

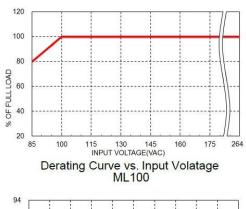
HIGHLIGHTS

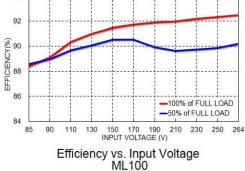
- Low standby power consumption under 0.3 Watt
- Wide input voltage range 85 to 264VAC, 47 to 63HZ
- Active power factor correction
- Built-in EMI filter
- Output voltage adjustable
- Open frame dimensions 2" x 3" x 1.16"
- 4000VAC input to output 2XMOPP insulation
- Protection type Class I and Class II
- Low leakage current under 75uA
- Operating altitude 5000M
- 3 year warranty
- ANSI/AAMI ES60601-1, EN60601-1-2:2015
 & IEC60601-1-2 (4th Edition Medical) Safety Approvals
- CE Marked
- Compliant to RoHS II & REACH

De-rating Curve:











QUALSTAR CORPORATION www.n2power.com Tel: 805-583-7744

NASDAQ: QBAK



N2POWER ML100 AC-DC SERIES HIGH-EFFICIENCY MEDICAL POWER SUPPLIES

MODEL	PART NUMBER	OUTPUT	VOLTAGE	ADJ. RANGE (VOLTS)	LOAD REGULATION	RATED CURRENT (A)	RATED POWER (W)	RIPPLE & NOISE (P-P)	EFFICIENCY	MTBF (HRS.)
ML100-12	400211-01-7	V1	12	±10%	±0.5%	8.34	100	120mV	91%	790,300
ML100-15	400211-02-5	V1	15	±10%	±0.5%	6.67	100	150mV	92%	790,300
ML100-24	400211-03-3	V1	24	±10%	±0.5%	4.17	100	160mV	92%	790,300
ML100-28	400211-04-1	V1	28	±10%	±0.5%	3.58	100	180mV	92%	790,300
ML100-36	400211-05-8	V1	36	±10%	±0.5%	2.78	100	190mV	91%	790,300
ML100-48	400211-06-6	V1	48	±10%	±0.5%	2.09	100	340mV	91%	790,300

	Voltage Tolerance	±1%	Note 2
Output	Setup, Rise Time	1000ms, 20ms at full load	Note 6
	Hold Up Time	16ms at 115VAC and full load	
	Voltage Range	85 ~ 264VAC, 120 ~ 370VDC	
Input	Frequency Range	47 ~ 63Hz	
	Power Factor (Min.)	0.095	
	AC Current (Max.)	1.15A / 115VAC, 0.55A / 230VAC	
	Inrush Current (Typ.)	60A / 230VAC	
	Leakage Current	75uA / 264VAC	
	Over Load	% of Vout rated; Hiccup mode, minimum 115% - maximum 150%	
Protection	Over Voltage	% of Vout(nom): Latch mode 115% - 135%	
	Over Voltage	Protection type: Latch-style (Recovery after reset AC power ON or inhibit)	
	Working Temp.	-25 ~ +80°C (Refer to output load de-rating curve)	
	Working Humidity	5 ~ 95% RH non-condensing	
Environment	Storage Temp. & Humidity	-40 ~ +85°C, 5 ~ 95% RH	
	T emp. Coefficient	±0.02% / °C (0 ~ 50°C)	
	Vibration	Certified IEC 60068-2-6	
	Safety Standards	ANSI / AAMI ES60601-1, EN60601-1-2, IEC60601-1-2 (4th Edition – Medical)	
	Isolation Resistance	500VDC @ min 0.1 GΩ	
Safety & EMC	EMI Conduction & Radiation	Certified EN 55011, EN 55022 and FCC Part 18	
	Harmonic Current	Certified EN 61000-3-2 Full Load	
	EMS Immunity	Certified EN 61000-4-3, 20V/m	Note 5
Dhysical	Cooling	Free air convection	
Physical Characteristics	Dimension (W x H x D)	50.8 x 40.64 x 76.2 mm / 2.0 x 1.6 x 3.0 inch	
	Packing	0.156kg	

Notes:

1. All parameters NOT specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.

2. Voltage tolerance includes setup time tolerance, line regulation and load regulation

3. Line regulation is measured from low line to high line at rated load.

4. Load regulation is measured from 0% to 100% rated load.

5. The power supply is considered a component which will be installed into a unit of equipment. The equipment itself must also be certified as EMC compliant.

A

6. Length of setup time is measured at cold start. Turning the power supply ON/OFF continuously may increase the setup time.



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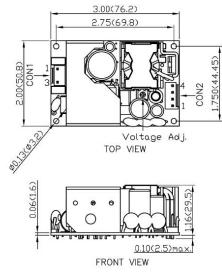






N2POWER ML100 AC-DC SERIES HIGH-EFFICIENCY MEDICAL POWER SUPPLIES

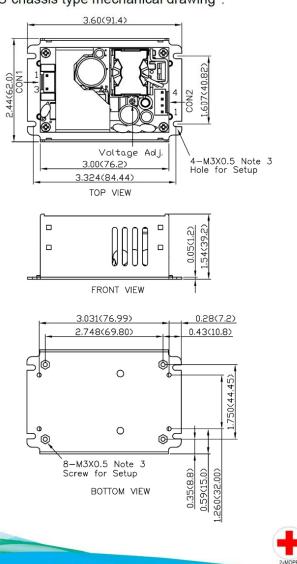
ML100 Open frame mechanical drawing:



Notes

- 1. All dimensions in inch (mm)
- Z. Tolerance: x.xx±0.02 (x.x±0.5) x.xxx±0.01 (x.xx±0.25)
 M3×0.5 screw locked torque MAX 5Kgf.cm/0.49N.m
- * Available as an accessory. Please contact N2Power for pricing.

U chassis type mechanical drawing*:



Enclosed type mechanical drawing*:

