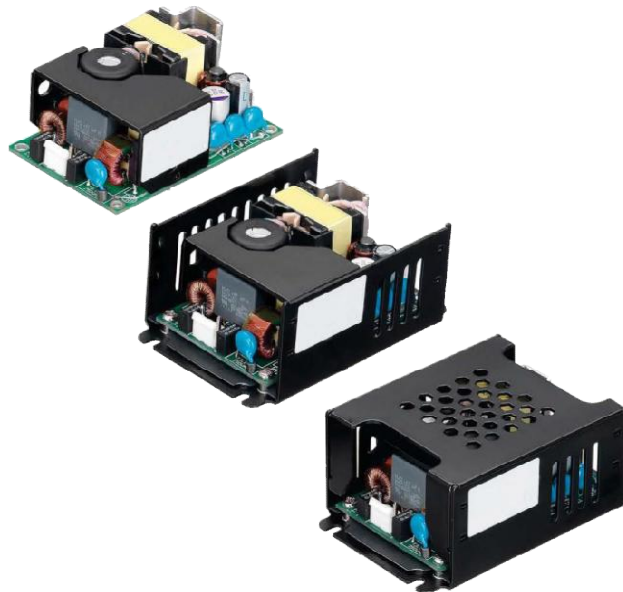
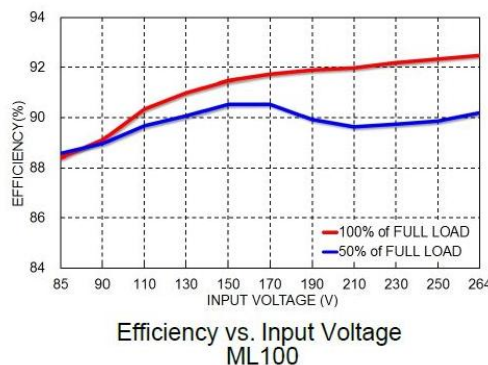
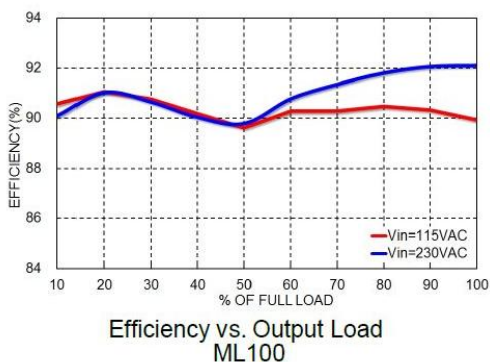
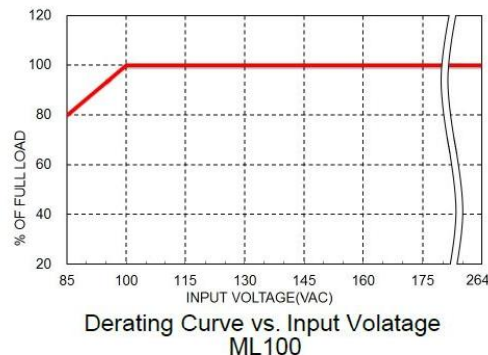
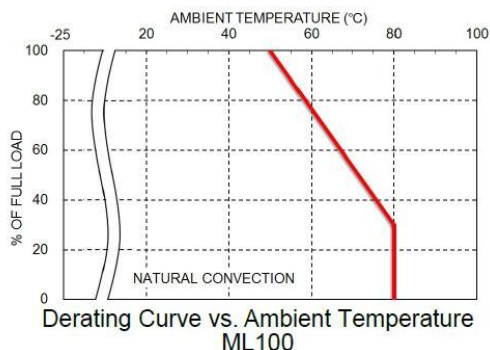


HIGHLIGHTS

- 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:



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

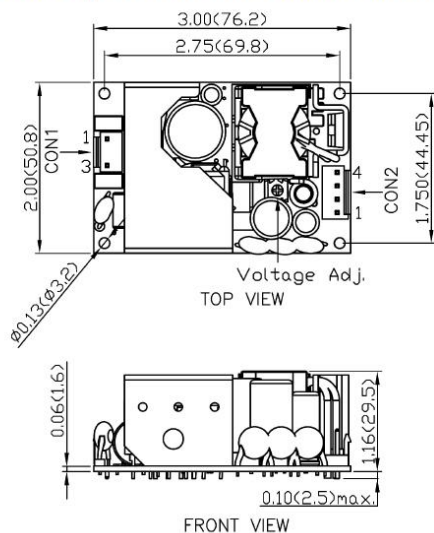
Output	Voltage Tolerance	±1%	Note 2
	Setup, Rise Time	1000ms, 20ms at full load	Note 6
	Hold Up Time	16ms at 115VAC and full load	
Input	Voltage Range	85 ~ 264VAC, 120 ~ 370VDC	
	Frequency Range	47 ~ 63Hz	
	Power Factor (Min.)	0.095	
	AC Current (Max.)	1.15A / 115VAC, 0.55A / 230VAC	
	Inrush Current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



ML100 Open frame mechanical drawing:

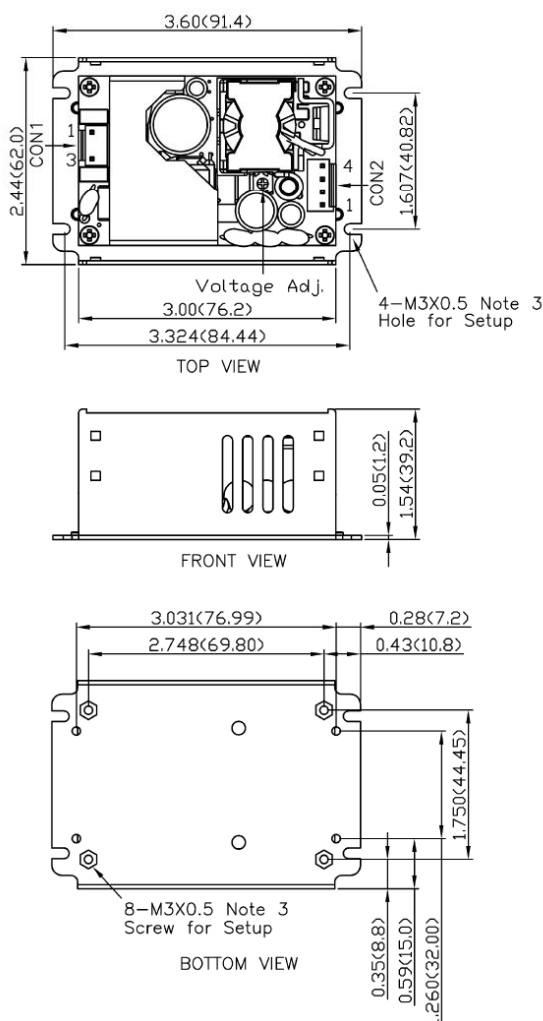


Notes

1. All dimensions in inch (mm)
2. Tolerance: x.xx±0.02 (x.xx±0.5) x.xxx±0.01 (x.xx±0.25)
3. 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*:

