

ELECTRICAL CHARACTERISTICS

Load Current	Input	Input Exciting Current
0mA	240V AC 50Hz	85mA Max.
1500mA	240V AC 50Hz	165mA Max.

Input Voltage	Load Current	Output Voltage
240V AC 50Hz	0ma	18.8V AC $\pm 5\%$
	1500mA	16.0V AC $\pm 5\%$




Operating Temperature	-10°C ~ +40°C (10 ~ 90% RH)
Storage Temperature	-20°C ~ +70°C (10 ~ 90% RH)
Exciting current	85mA maximum with input of 240VAC 50Hz
Insulation Resistance	100M Ω Minimum between primary and secondary and core of transformer @ 500VDC
Efficiency	78.6% Minimum.
Hi-Pot Test * **	There shall be no electrical damage after applying 3000V AC 50/60Hz between Primary and Secondary, Primary and Core and Primary and Case for 1 minute (detecting current set to 2ma).
Temperature Rise ***	With input of 240V AC 50Hz and output load of 1500mA, the temperature rise shall not exceed 45°C on the case surface and 75°C for the input coil.
Vibration Test	Vibrating frequency 10-55-10Hz. Direction X-Y-Z. Sweep time 30 minutes. No abnormal electrical or mechanical condition shall be found.
Audible Noise	With rated voltage input $\pm 10\%$, approximate sinewave I/P applied to the primary and with the secondary loaded, no audible noise shall be present at a distance of 1 metre from the transformer.

* There shall be no breakdown applying 3600VAC for 2 seconds..

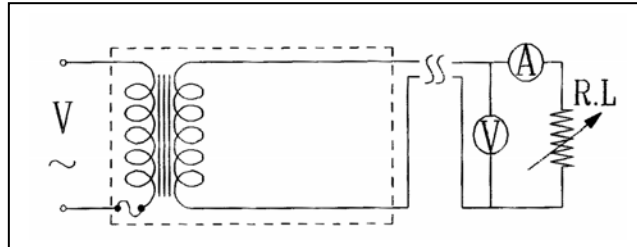
** Secondary circuit is connected to the transformer.

*** Measured by resistance method

AUSTRALIAN COMPLIANCE

Electrical Safety	Certificate NSW17582	 N5071
EMC	 N692	
Energy Efficiency (MEPS Mark)	 IV	

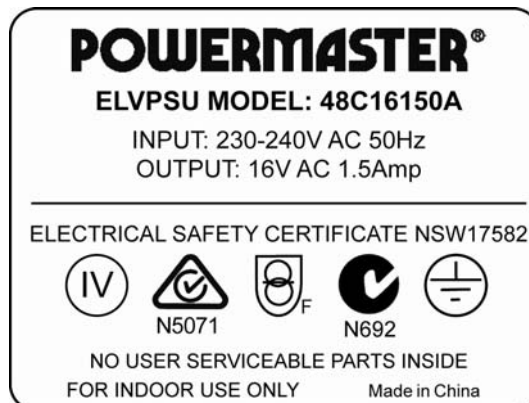
CIRCUIT DIAGRAM



MECHANICAL CHARACTERISTICS

Configuration	Wall-mount, (integral mains pins)	
Mains Pins	AS/NZS3112:2004 (SAA) 3 pins, insulated active & neutral	
Dimensions	77.9(L) x 59(W) x 78.0(H)mm maximum	
Weight	620g maximum	
Cooling	Natural Convection	
Thermal Fuse	130°C 2A 250V	
Terminal Strength	AC Side	DC Side
	10Kg for 60 seconds	5Kg for 60 seconds
	No breakage shall occur after the completion of the test.	
Drop Test	No abnormal condition should be found after a free-fall from a height of 75cm onto a 1cm thick (minimum) wood surface. After a total of 6 drop tests (one on each plane) the adaptor shall pass the insulation resistance test (100MΩ minimum).	
Cord Bending Test	The cord shall withstand a total of 1000 40 cycle/minute swings from left to right at an angle of 120 degrees with a 300g weight attached.	
Strain Relief Test	The cord shall withstand a weight of 9.1Kg attached to the cord end for one minute minimum. There shall be no visible or electrical damage.	

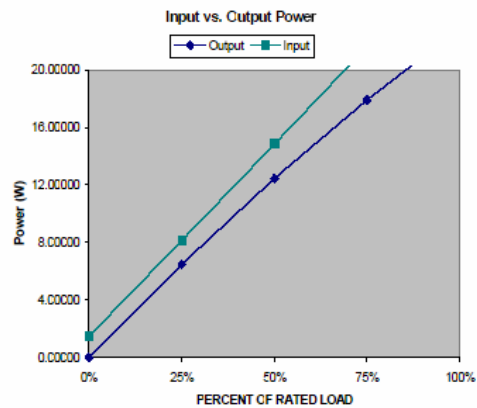
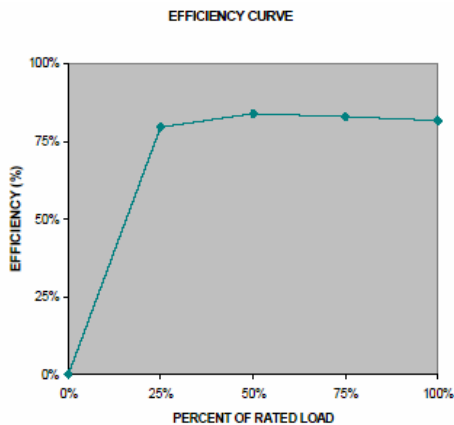
RATING PLATE



MEPS REPORT

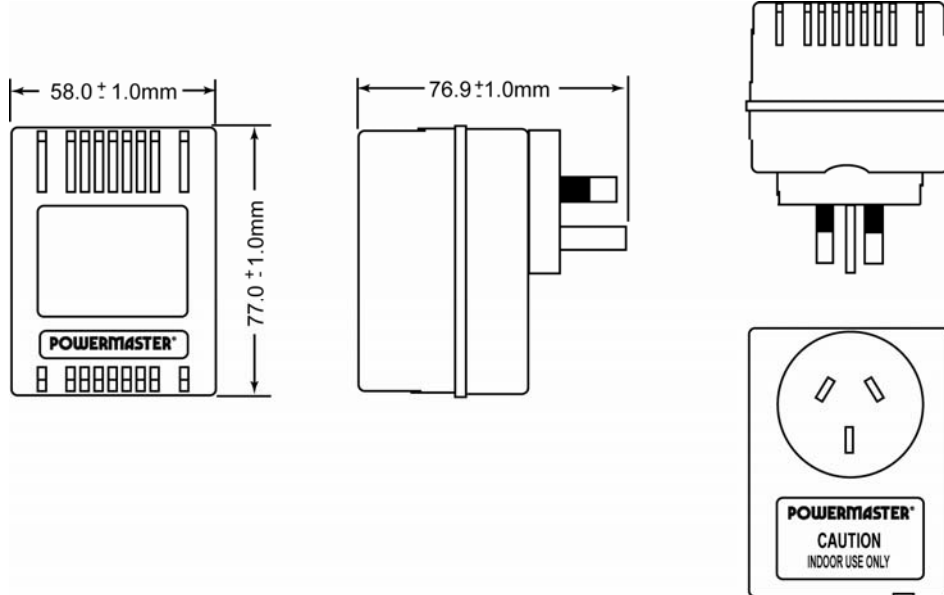
MEPS Standard	Model	Nameplate AC Output Voltage	Nameplate AC Output Current	Output Power	Required Average Efficiency Active Mode	Efficiency Level -High Rating (IV)
AS/NZS46 65.1:2005	48C16150A	16V	1.5Amp	24W	78.60%	IV

Sample of three pieces. Average data calculated at 230V 50Hz.

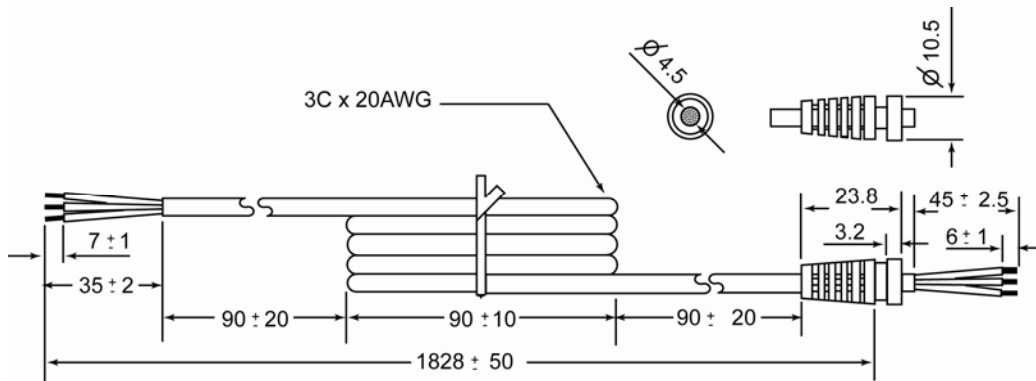


Percent of Rated Load	Active Power Measurements				No Load	Average	
	100%	75%	50%	25%	0%		
Output Current (mA)	1500	1125	750	375	0.00		
Output Voltage (V)	15.2487	15.9070	16.6000	17.2757	17.9413		
Output Power (W)	22.87300	17.89538	12.45000	6.47838	0.0000		
AC Input Voltage (V)	230						
AC Input Power (W)	27.9847	21.5877	14.8343	8.1420	1.4607		
Total Harmonic Distortion	1.3000	1.3000	1.3000	1.3000	1.3000		1.3000
True Power Factor (Watts/VA)	0.9786	0.9636	0.9199	0.7664	0.1946		0.9071
AC Input Frequency	50	50	50	50	50		50
Power Consumed by UUT (W)	5.11167	3.69229	2.38433	1.66363			
Efficiency	81.734%	82.8965	83.927%	79.567%	0.0000%		82.03%

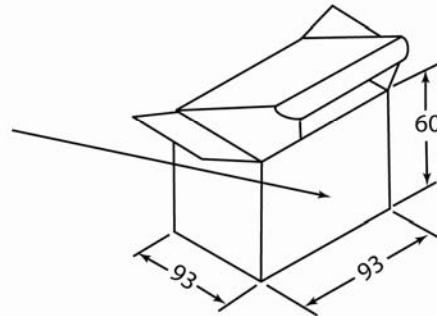
PRODUCT OUTLINE DRAWING



OUTPUT CORD DRAWING



BOX LABEL & POSITIONING



MASTER CARTON LABEL & POSITIONING

