

80 PLUS Verification and Testing Report

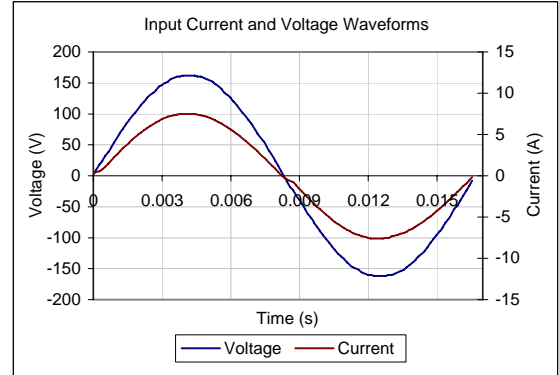


TYPICAL EFFICIENCY (50% Load):	84.55%
AVERAGE EFFICIENCY :	82.66%
80 PLUS COMPLIANT:	YES

Ecos ID #	272
Manufacturer	MACRON
Model Number	MPT_5018AP
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	6/25/2007

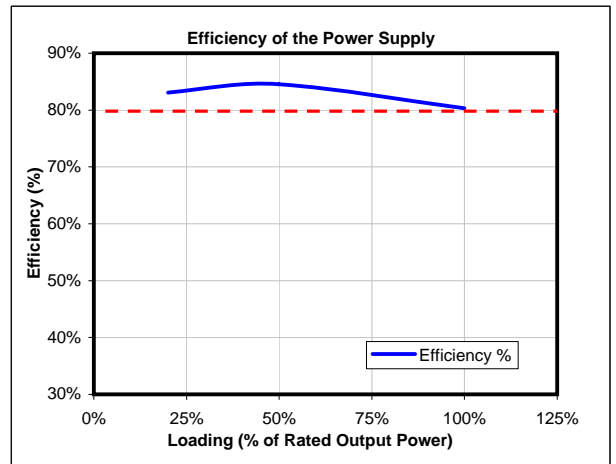
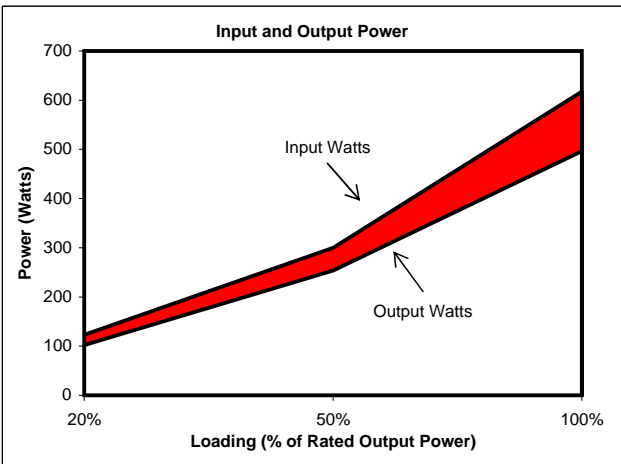
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	60/50	Hz
Rated Output Power	500	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 5.19%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
1.08	0.99	9.9%	20%	Light	123	12.2/5.8	12/0.1	3.4/3.5	5.1/2.9	5.1/0.4	102	83.09%
2.62	1.00	5.2%	50%	Typical	300	12.2/14.6	12.1/0.3	3.4/8.8	5/7.4	5/1.1	253	84.55%
5.38	1.00	3.0%	100%	Full	618	11.9/29.1	12.1/0.7	3.3/17.6	5/14.7	4.9/2.2	496	80.34%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.

