

80 PLUS Verification and Testing Report

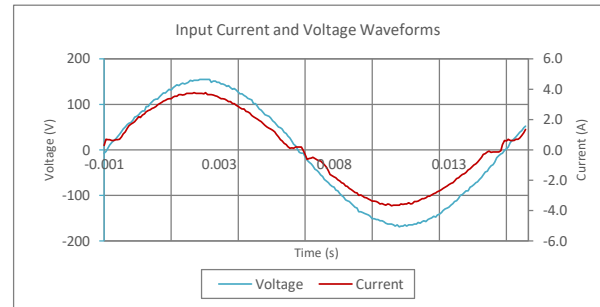
TYPICAL EFFICIENCY (50% Load):	87.17%
AVERAGE EFFICIENCY :	85.79%
80 PLUS COMPLIANT:	YES



ID Number	5813
Manufacturer	TECNOMALL TECHNOLOGY.,LIMITED
Model Number	EP-500B-RGB
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	12/18/19

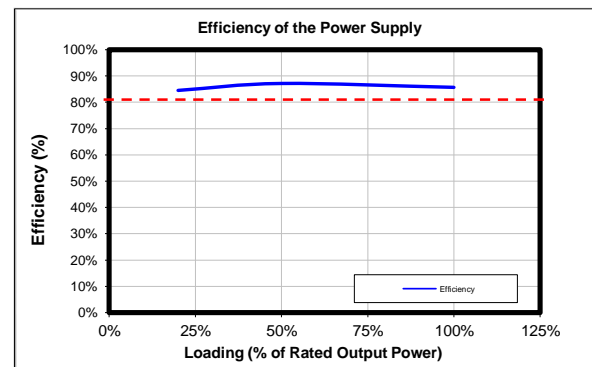
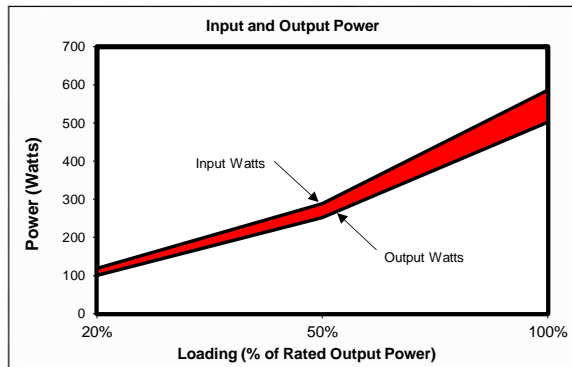
Rated Specifications	Value	Units
Input Voltage	110-220	Volts
Input Current	5-10	Amps
Input Frequency	47-63	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 6.87%, 50% Load)

I _{RMS}	PF	I _{THD}	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		
0.58	0.93	12.54%	10%	62.42	11.89/3.25	11.99/0.02	3.33/1.25	5.14/1.12	5.04/0.2	49.82	79.81%
1.09	0.95	19.36%	20%	118.91	11.99/6.51	12.02/0.05	3.32/2.5	5.11/2.24	5.03/0.41	100.51	84.53%
2.55	0.99	6.87%	50%	288.50	12.03/16.3	12.02/0.12	3.31/6.25	5.07/5.57	5.01/1.01	251.48	87.17%
5.15	0.99	6.95%	100%	586.00	12.04/32.59	12.02/0.24	3.28/12.5	5.02/11.13	4.97/2.03	502.13	85.69%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications.
<http://www.80plus.org/>

