80 PLUS Verification and Testing Report

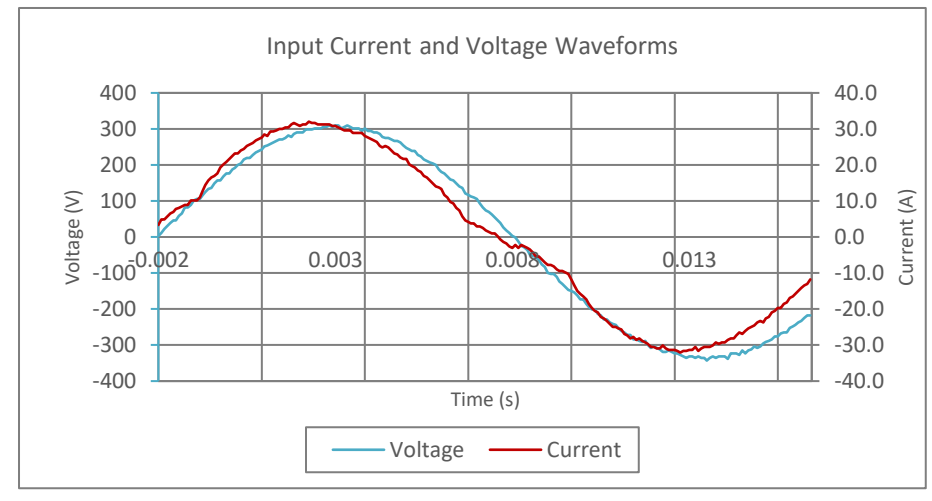
TYPICAL EFFICIENCY (50% Load):	**88.87%**
AVERAGE EFFICIENCY :	**86.87%**
80 PLUS COMPLIANT:	**YES**



ID Number	EU-654
Manufacturer	MARS GAMING
Model Number	MPB850
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	4/8/20

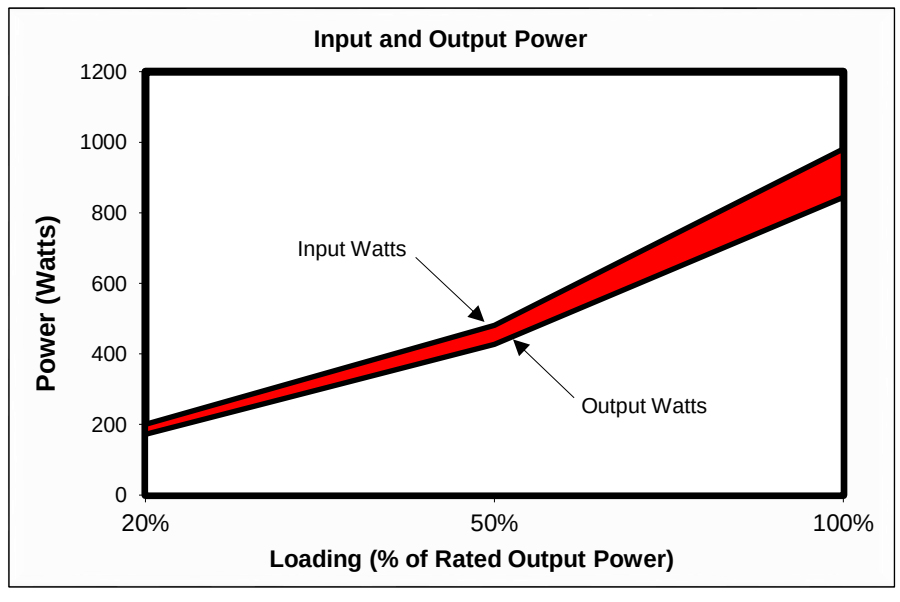
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	8	Amps
Input Frequency	47-63	Hz
Rated Output Power	**850**	**Watts**

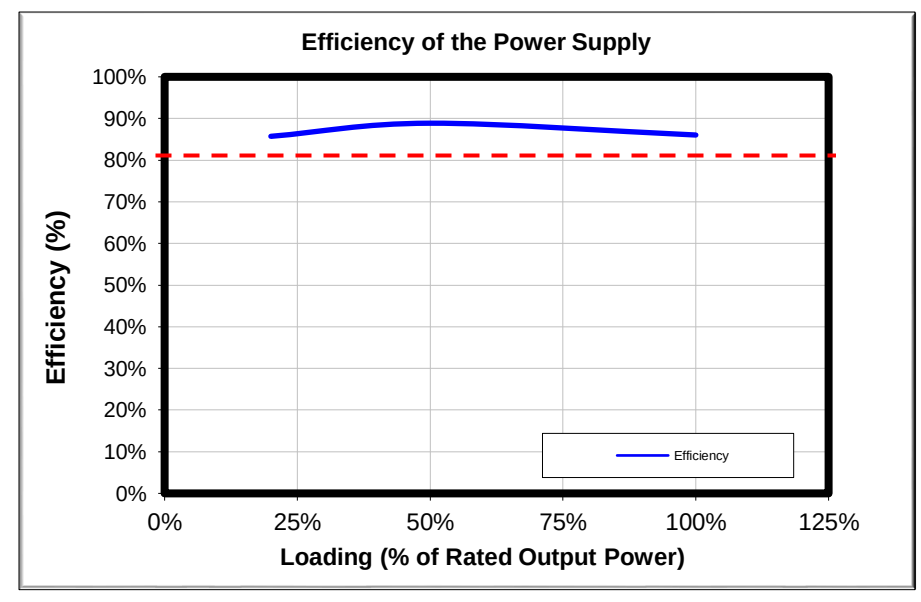
Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 10.62%, 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		
0.55	0.87	23.93%	10%	109.23	12.09/5.83	12.32/0.04	3.41/1.6	5.07/1.6	5.16/0.26	85.82	**78.57%**
0.92	0.94	18.34%	20%	200.65	12.08/11.71	11.97/0.09	3.4/3.17	5.05/3.16	5.13/0.53	171.99	**85.72%**
2.12	0.98	10.62%	50%	480.80	12.02/29.26	11.99/0.22	3.37/7.99	4.99/7.91	5.06/1.32	427.28	**88.87%**
4.29	0.99	6.65%	100%	981.00	11.92/58.38	12.36/0.44	3.3/15.98	4.9/15.79	4.93/2.65	843.97	**86.03%**





PLUG LOAD solutions

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/*

80 PLUS®