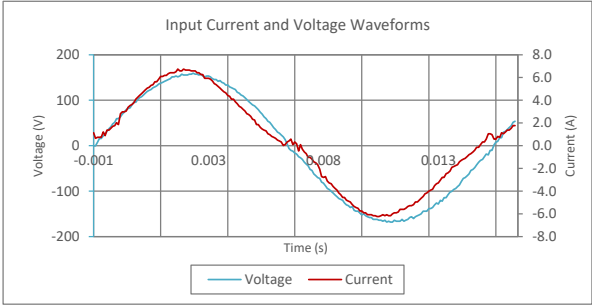


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	91.56%
AVERAGE EFFICIENCY :	90.15%
80 PLUS COMPLIANT:	YES



ID Number	5333
Manufacturer	GIGABYTE
Model Number	GP-AP850GM
Serial Number	N/A
Year	2018
Type	ATX12V
Test Date	7/18/18

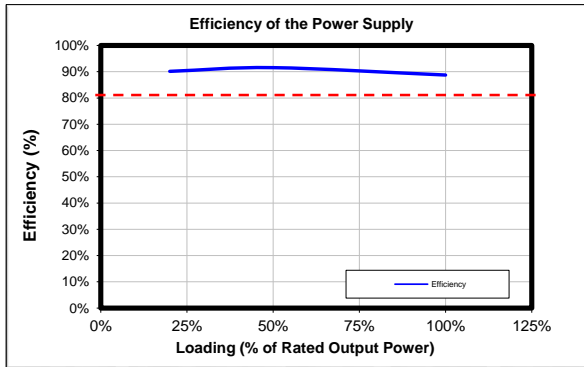
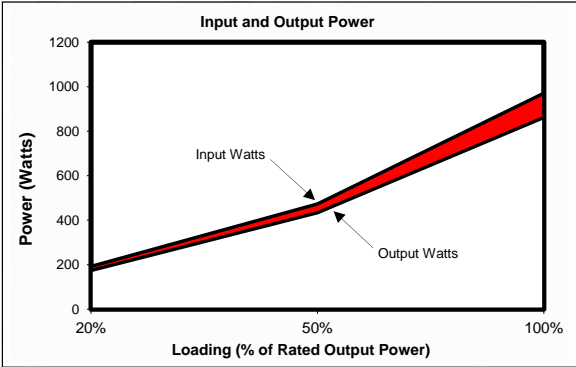


Input AC Current Waveform (ITHD = 12.26%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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

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
0.93	0.94	9.27%	10%	100.06	12.23/6.1		12.03/0.03	3.39/1.25	5.11/1.25	5.12/0.26	86.91	86.86%
1.72	0.98	9.26%	20%	192.59	12.22/12.21		12.03/0.05	3.39/2.5	5.1/2.49	5.11/0.52	173.60	90.14%
4.17	0.99	12.26%	50%	473.10	12.18/30.58		12.03/0.13	3.37/6.25	5.08/6.19	5.07/1.29	433.15	91.56%
8.51	0.99	10.16%	100%	971.10	12.12/61.13		12.02/0.26	3.36/12.5	5.07/12.36	5.01/2.59	861.81	88.75%



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/>

