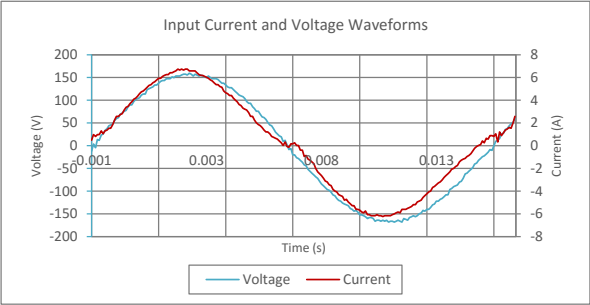


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.97%
AVERAGE EFFICIENCY :	89.87%
80 PLUS COMPLIANT:	YES



ID Number	4947.1
Manufacturer	Antec, Inc
Model Number	HCG850 Gold
Serial Number	NA
Year	2017
Type	ATX12V, EPS12V
Test Date	5/17/17

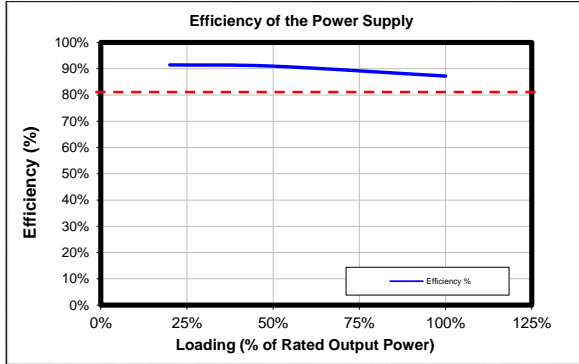
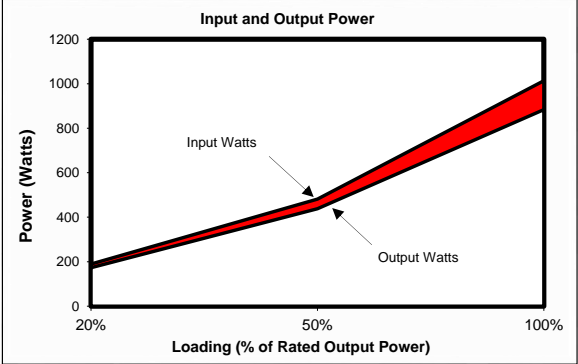


Input AC Current Waveform (I_{THD} = 10.39%, 50% Load)

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 A}	PF	I _{THD} (%)	Load (%)	Input Watts	DC Terminal Voltage (V) / DC Load Current (A)					Output Watts	Efficiency %
					12V (cumulative of 12V1, 12V2, etc.)						
0.89	0.95	7.36%	10%	97.30	12.13/6.21	-12V	3.3V	5V	5Vsb	85.99	88.37%
1.68	0.98	8.22%	20%	189.40	12.2/12.46	12.21/0.05	3.33/2.14	5.02/2.13	5.11/0.53	173.20	91.45%
4.23	0.99	10.39%	50%	481.30	12.36/31.18	12.29/0.13	3.3/5.35	5.02/5.3	5.07/1.33	437.85	90.97%
8.87	0.99	9.54%	100%	1013.40	12.56/62	13/0.27	3.31/10.69	5.02/10.57	5.01/2.66	883.65	87.20%



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/>

