

80 PLUS Verification and Testing Report

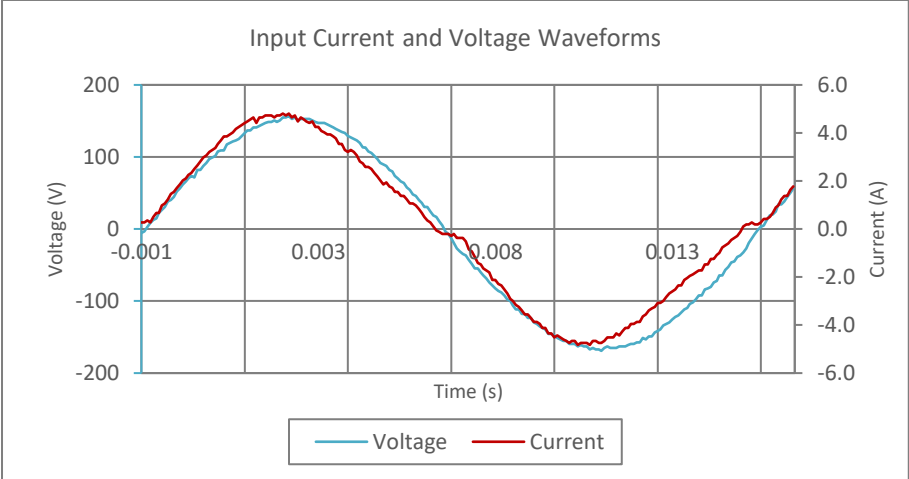
TYPICAL EFFICIENCY (50% Load):	91.59%
AVERAGE EFFICIENCY :	90.14%
80 PLUS COMPLIANT:	YES



ID Number	5637
Manufacturer	ADATA
Model Number	COREREACTOR650G
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	9/5/19

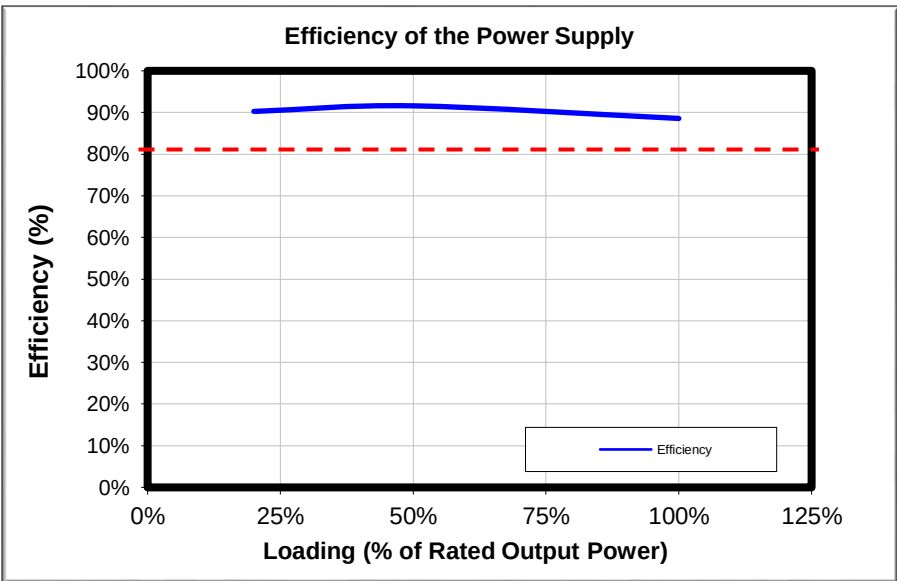
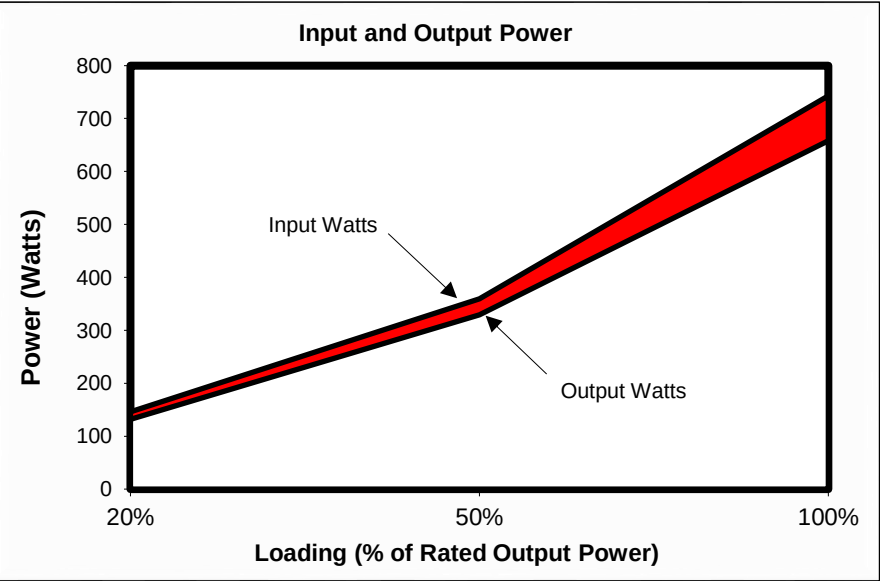
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 8.82%, 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		
0.69	0.96	11.56%	10%	76.43	12.21/4.52	11.93/0.03	3.31/1.11	5.05/1.11	5.04/0.25	66.08	86.45%
1.29	0.99	8.44%	20%	146.06	12.13/9.08	11.92/0.05	3.32/2.22	5.05/2.21	5.04/0.5	131.82	90.25%
3.15	0.99	8.82%	50%	359.30	12.1/22.73	11.89/0.13	3.31/5.54	5.04/5.49	5.03/1.25	329.09	91.59%
6.50	0.99	7.76%	100%	743.00	12.13/45.39	11.86/0.25	3.31/11.09	5.04/10.97	5/2.51	658.12	88.58%



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/>

