

80 PLUS Verification and Testing Report

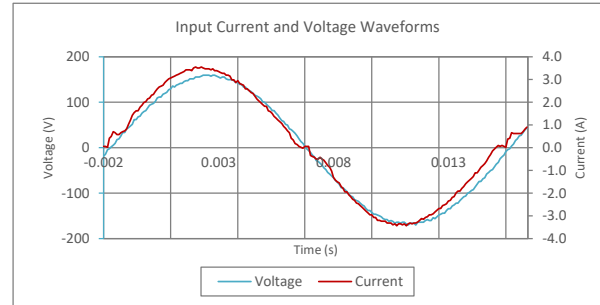
TYPICAL EFFICIENCY (50% Load):	86.12%
AVERAGE EFFICIENCY :	84.46%
80 PLUS COMPLIANT:	YES



ID Number	6136
Manufacturer	Antec Inc.
Model Number	X5000A251HC-20
Serial Number	N/A
Year	2020
Type	ATX12V,EPS12V
Test Date	10/13/20

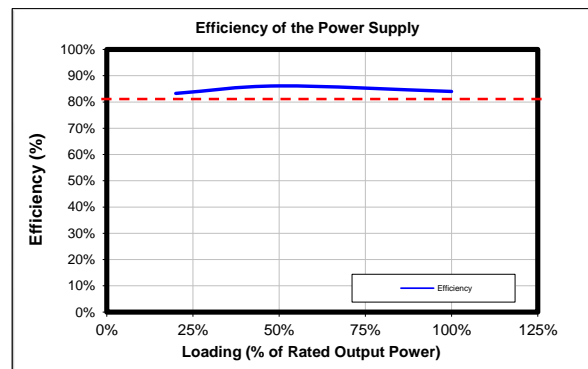
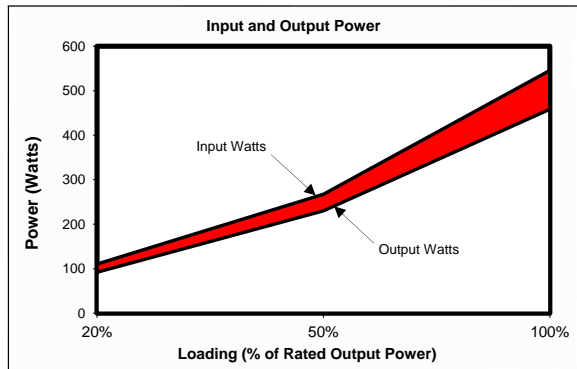
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (I_{THD} = 6.41%, 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	0.95	17.97%	10%	59.81	12.2/2.91	12.08/0.03	3.34/1.03	5.25/1.03	5.11/0.26	46.00	76.91%
0.99	0.97	17.90%	20%	110.44	12.22/5.82	12.13/0.05	3.33/2.06	5.23/2.05	5.1/0.51	91.96	83.26%
2.34	0.99	6.41%	50%	267.40	12.24/14.6	12.2/0.13	3.31/5.15	5.19/5.11	5.06/1.28	230.28	86.12%
4.76	1.00	7.07%	100%	545.60	12.22/29.18	12.36/0.26	3.28/10.31	5.11/10.2	4.99/2.56	458.35	84.01%



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/>

