

80 PLUS Verification and Testing Report

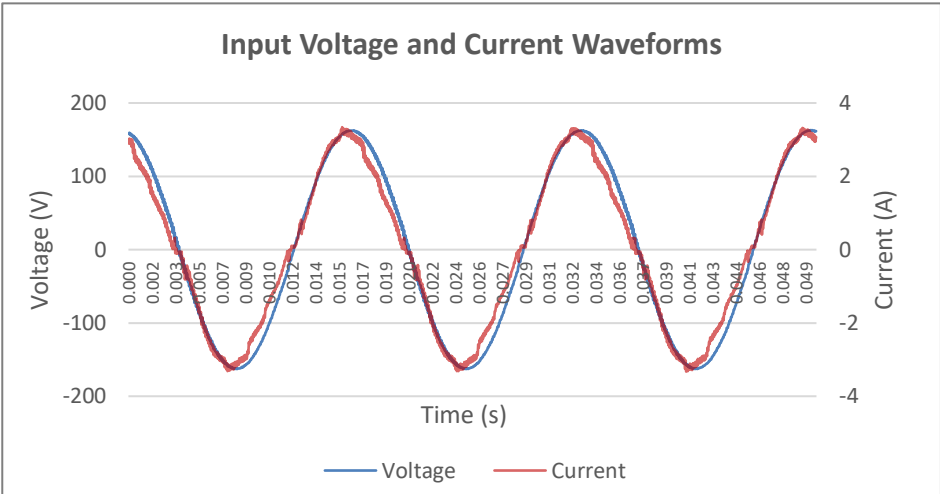
TYPICAL EFFICIENCY (50% Load):	92.76%
AVERAGE EFFICIENCY :	88.10%
80 PLUS COMPLIANT:	Platinum



ID Number	7297
Manufacturer	In Win
Model Number	IP-P450BU7-2
Serial Number	P6223A001200188
Type	FLEX ATX
Test Date	2/7/24

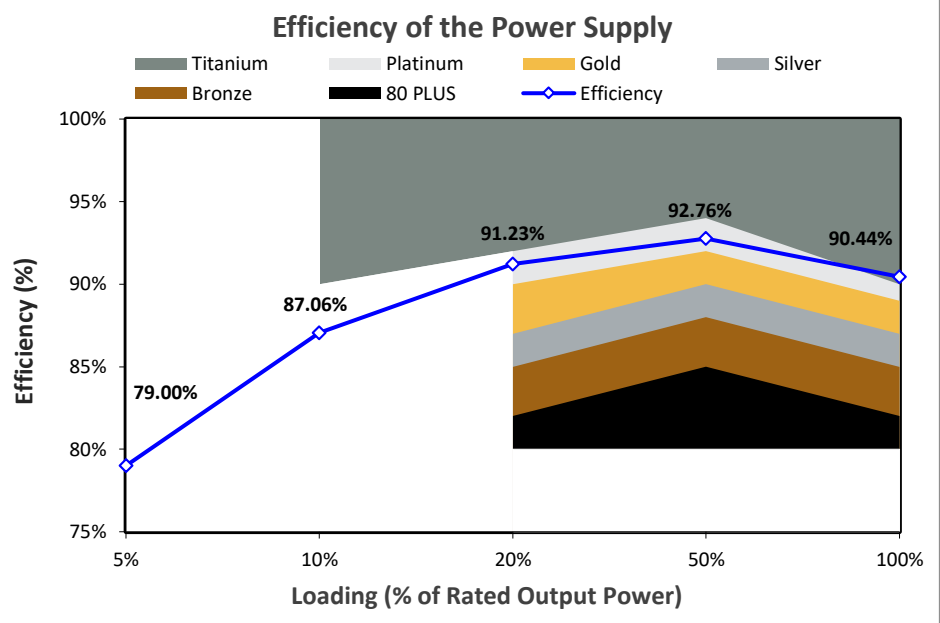
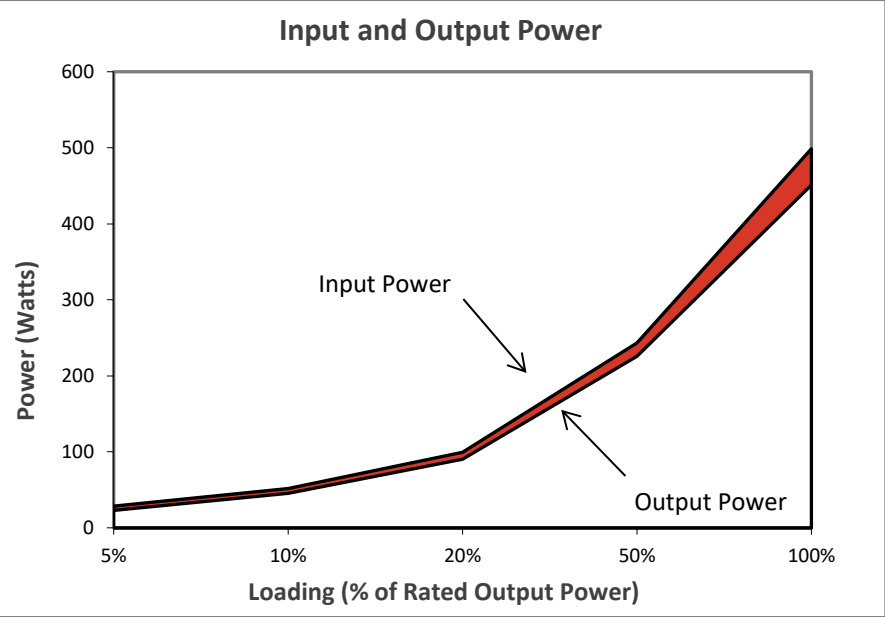
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 8.41%, 50% Load)

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.)	-12V	3.3V	5V		
0.129	0.4226	26.50	0%	6.26	No-Load					
0.291	0.8570	18.31	5%	28.65	12.09/1.51	11.94/0.012	3.33/0.38	4.97/0.47	22.64	79.00%
0.480	0.9415	11.80	10%	51.99	12.09/3.02	11.96/0.024	3.33/0.76	4.97/0.95	45.27	87.06%
0.882	0.9780	8.11	20%	99.16	12.08/6.04	12/0.048	3.33/1.52	4.96/1.9	90.47	91.23%
2.134	0.9915	8.41	50%	243.39	12.07/15.11	12.19/0.121	3.31/3.8	4.94/4.75	225.76	92.76%
4.376	0.9910	8.66	100%	498.63	12.06/30.21	12.53/0.242	3.29/7.59	4.91/9.49	450.97	90.44%



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/>