80 PLUS Verification and Testing Report

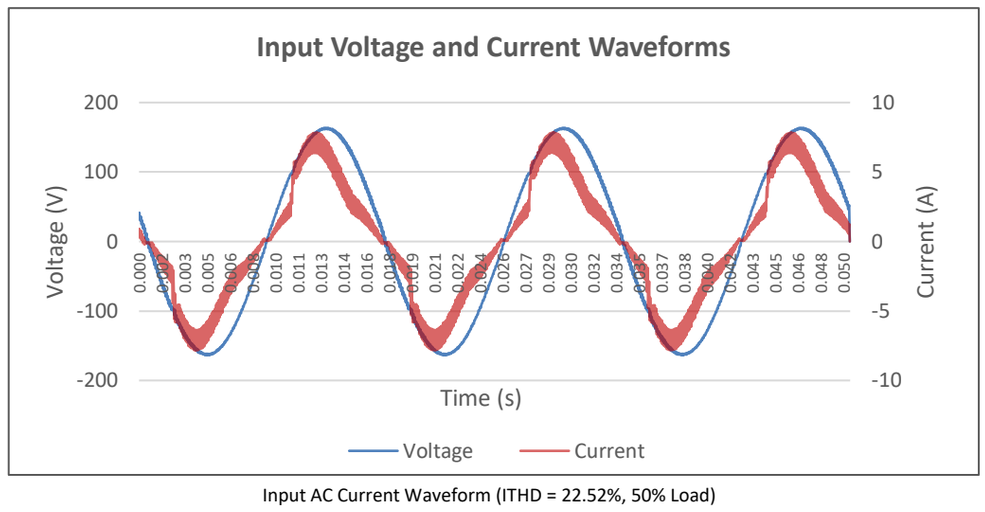
TYPICAL EFFICIENCY (50% Load):	**91.77%**
AVERAGE EFFICIENCY :	**87.98%**
80 PLUS COMPLIANT:	**Gold**



ID Number	7449
Manufacturer	Raidmax Technologies
Model Number	RX-850AE
Serial Number	N/A
Type	ATX12V
Test Date	6/27/24

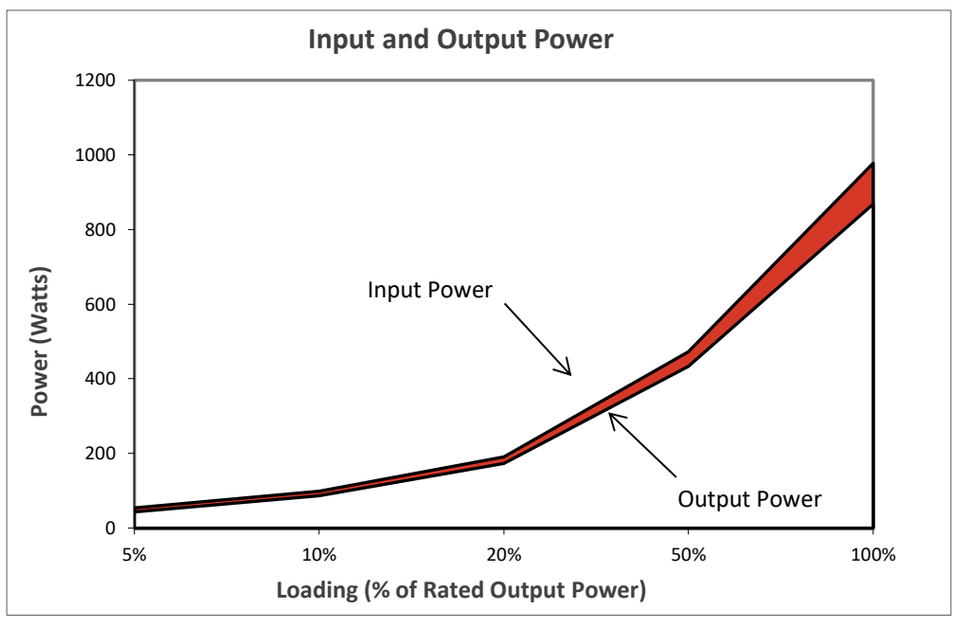
Rated Specifications	Value	Units
Input Voltage	115-230	**Volts**
Input Current	12/6	**Amps**
Input Frequency	50-60	**Hz**
Rated Output Power	850	**Watts**

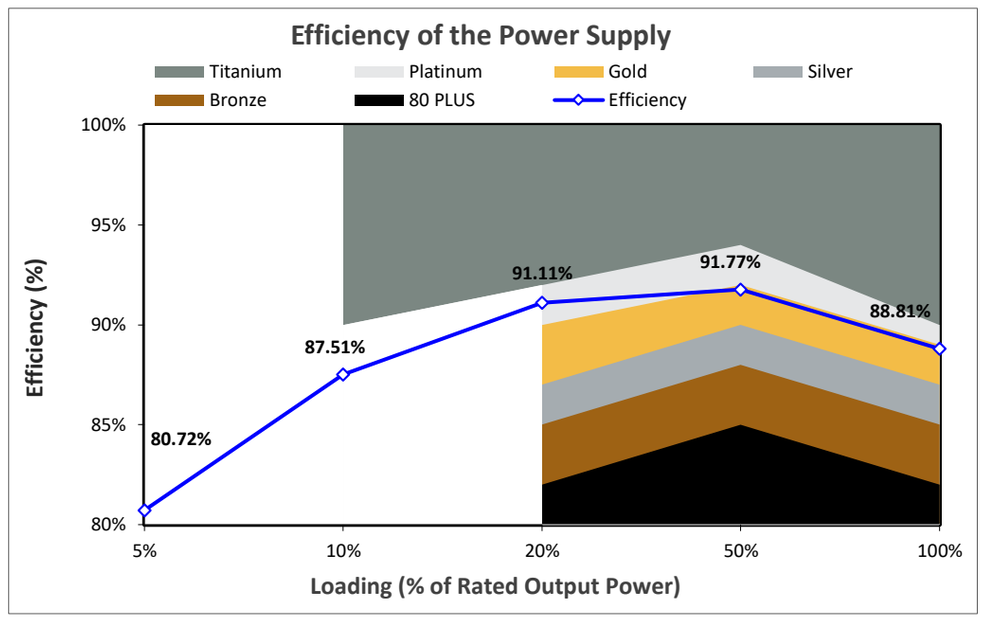
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 22.52%, 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	5Vstb		
0.139	0.5096	18.62	0%	8.16	**No-Load**						
0.514	**0.9084**	14.95	5%	53.69	12.25/3.17	12.1/0.022	3.33/0.43	5.04/0.43	5.12/0.134	43.34	**80.72%**
0.921	**0.9347**	18.12	10%	99.06	12.25/6.33	12.12/0.045	3.33/0.86	5.04/0.86	5.11/0.268	86.69	**87.51%**
1.735	**0.9530**	19.10	20%	190.29	12.25/12.66	12.17/0.089	3.33/1.72	5.04/1.72	5.09/0.536	173.38	**91.11%**
4.275	**0.9618**	22.52	50%	472.60	12.26/31.66	12.23/0.223	3.34/4.31	5.02/4.31	5.03/1.341	433.72	**91.77%**
8.779	**0.9688**	19.25	100%	977.65	12.27/63.31	12.55/0.447	3.35/8.62	5.01/8.61	4.92/2.68	868.21	**88.81%**





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/*