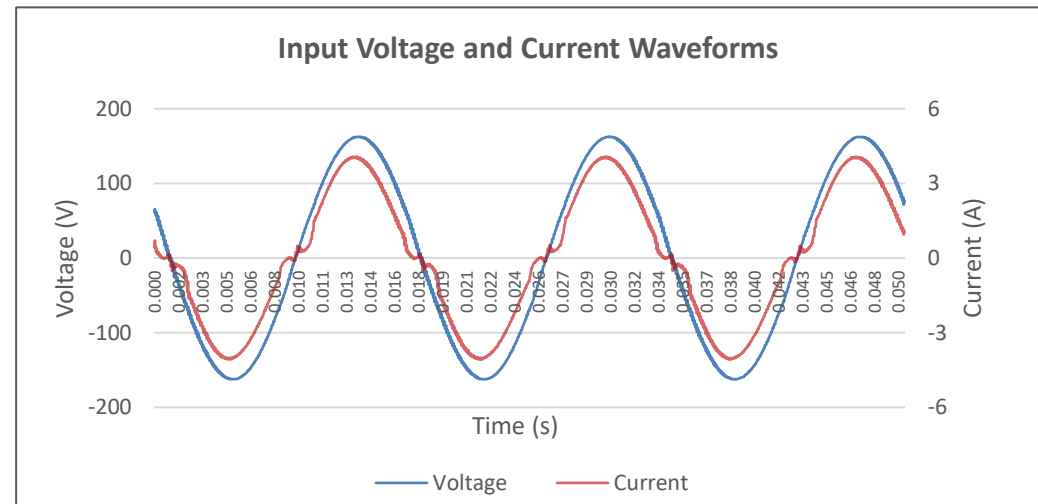


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.03%
AVERAGE EFFICIENCY :	79.03%
80 PLUS COMPLIANT:	Bronze



ID Number	7302.1
Manufacturer	Spire Technology Ltd
Model Number	ATX-500W
Serial Number	N/A
Type	ATX12V
Test Date	2/13/24

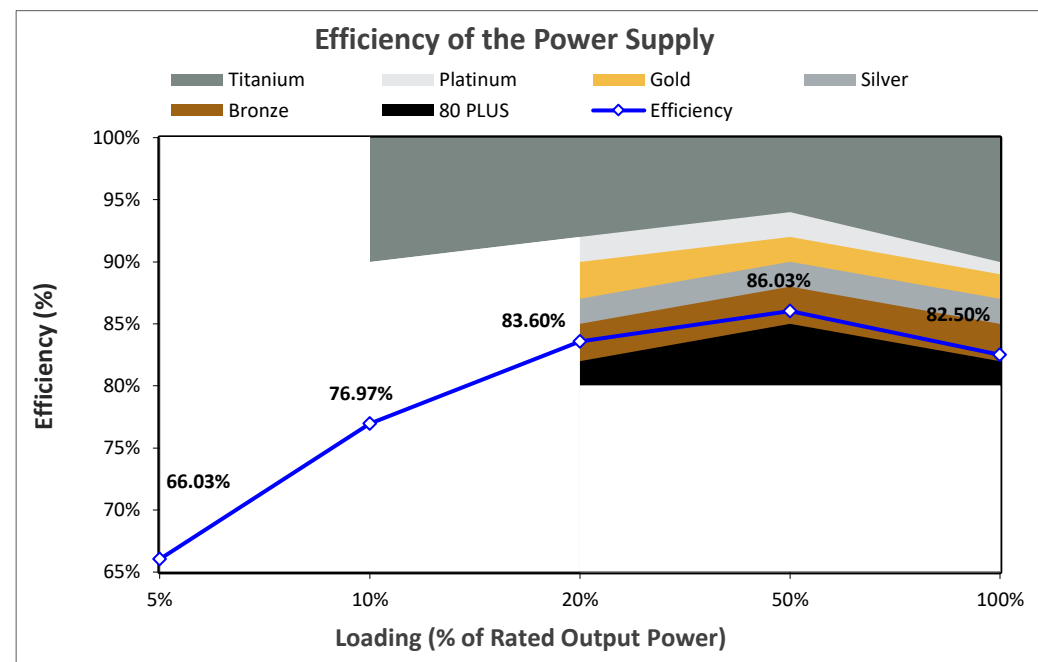
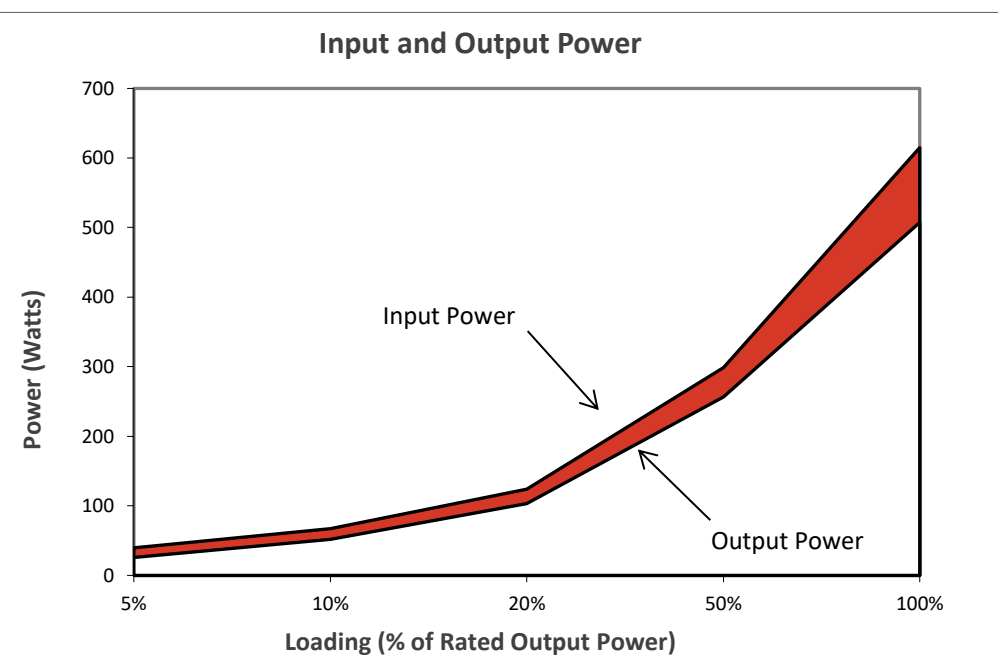


Input AC Current Waveform (ITHD = 14.72%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	110-265	Volts
Input Current	5/4	Amps
Input Frequency	60-50	Hz
Rated Output Power	500	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.)	-12V	3.3V	5V	5Vstb		
0.163	0.5050	65.88	0%	9.45	No-Load						
0.377	0.9079	34.61	5%	39.35	12.46/1.72	12.71/0.024	3.42/0.4	5.23/0.45	5.16/0.096	25.99	66.03%
0.601	0.9747	16.13	10%	67.45	12.45/3.45	12.63/0.048	3.41/0.8	5.21/0.9	5.13/0.192	51.91	76.97%
1.101	0.9785	17.48	20%	123.89	12.44/6.89	12.57/0.096	3.39/1.6	5.18/1.8	5.09/0.385	103.57	83.60%
2.632	0.9862	14.72	50%	298.64	12.37/17.23	12.63/0.24	3.33/3.99	5.08/4.49	4.84/0.962	256.93	86.03%
5.392	0.9921	11.03	100%	614.93	12.26/34.45	12.9/0.481	3.23/7.99	4.9/8.99	4.64/1.923	507.34	82.50%



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/>