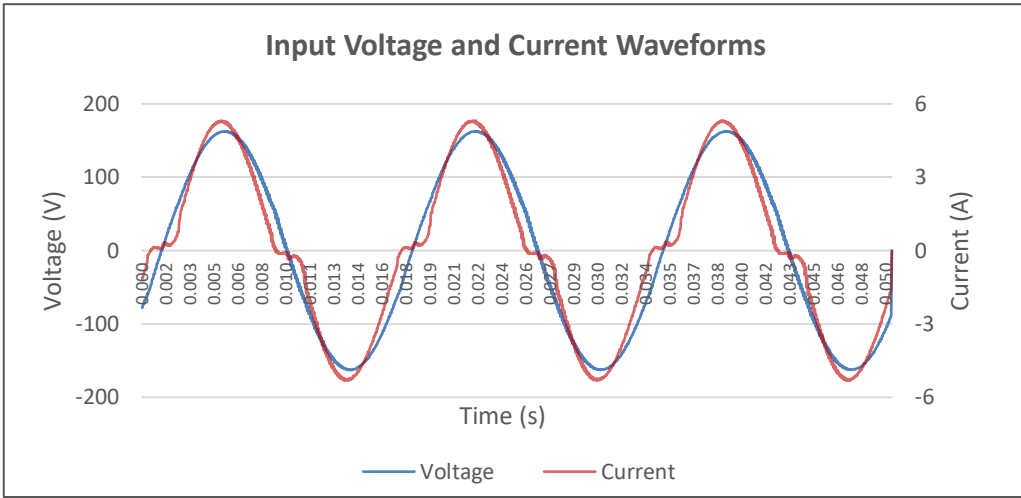


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	87.63%
AVERAGE EFFICIENCY :	82.89%
80 PLUS COMPLIANT:	Bronze



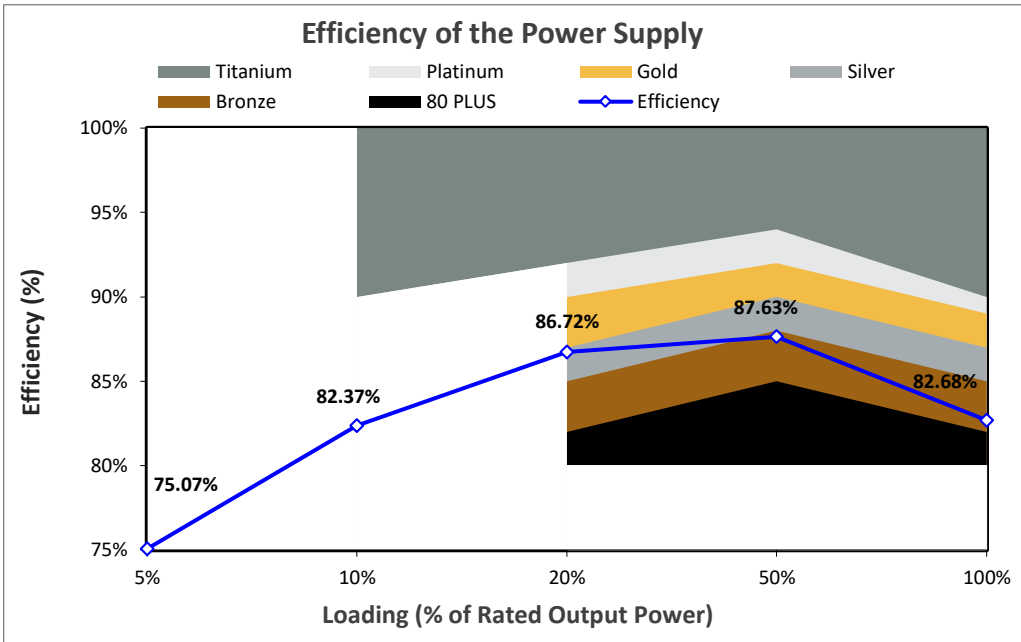
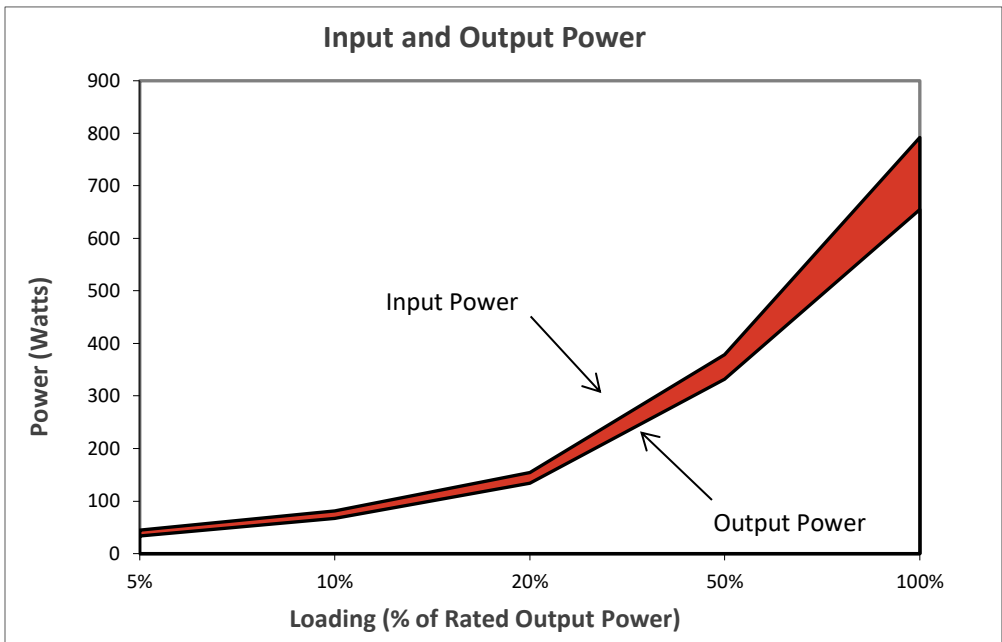
ID Number	7445
Manufacturer	Spire Technology Ltd
Model Number	XTY850D-650W
Serial Number	N/A
Type	ATX12V
Test Date	7/16/24



Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	9-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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

I <sub>RMS</sub> (A)	PF	I <sub>THD</sub> (%)	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
0.172	0.3992	60.95	0%	7.89	No-Load						
0.431	<b>0.9010</b>	34.55	5%	44.67	12.38/2.54	11.99/0.023	3.4/0.16	5.21/0.16	5.21/0.094	33.53	75.07%
0.724	<b>0.9774</b>	14.13	10%	81.33	12.37/5.07	12.01/0.047	3.4/0.32	5.2/0.32	5.2/0.187	66.99	82.37%
1.393	<b>0.9624</b>	24.93	20%	154.17	12.34/10.15	12.05/0.094	3.39/0.63	5.18/0.63	5.17/0.374	133.69	86.72%
3.360	<b>0.9799</b>	18.64	50%	378.70	12.25/25.37	12.17/0.234	3.35/1.58	5.13/1.58	5.09/0.936	331.87	87.63%
6.954	<b>0.9908</b>	12.37	100%	792.08	12.1/50.74	12.37/0.468	3.29/3.16	5.05/3.16	4.93/1.872	654.89	82.68%



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/>