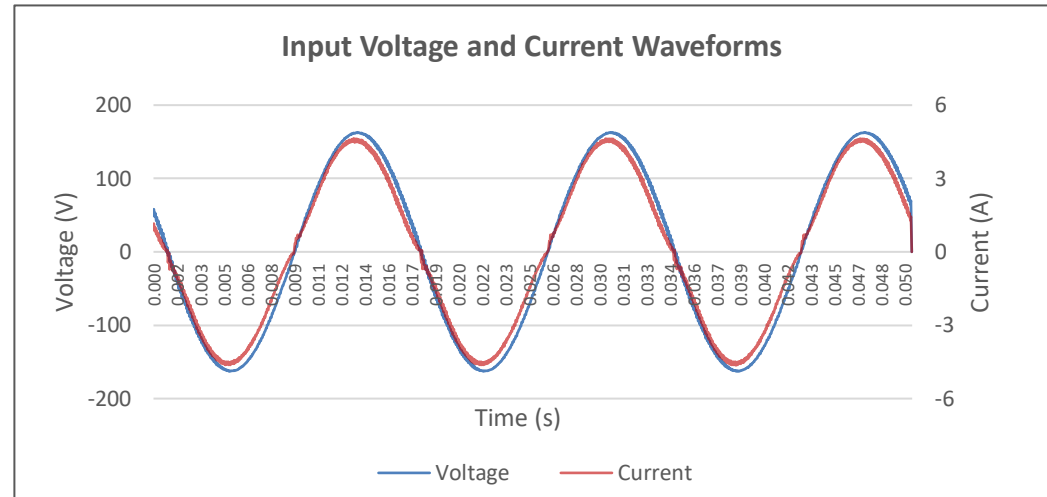


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	91.31%
AVERAGE EFFICIENCY :	86.95%
80 PLUS COMPLIANT:	Gold



ID Number	7506
Manufacturer	dark Flash
Model Number	PMT650
Serial Number	N/A
Type	ATX12V
Test Date	8/19/24

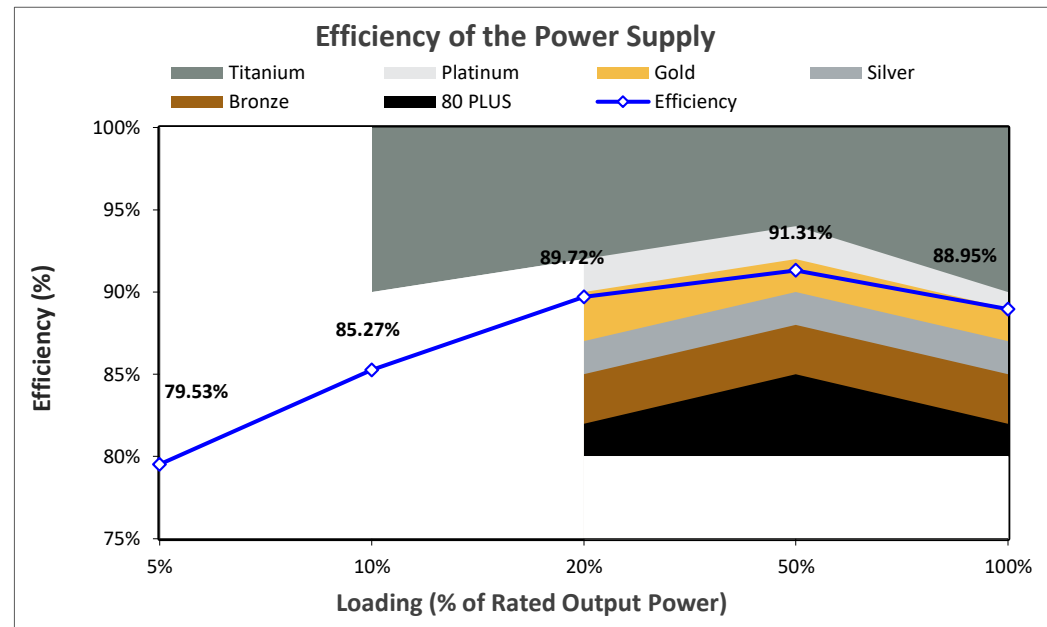
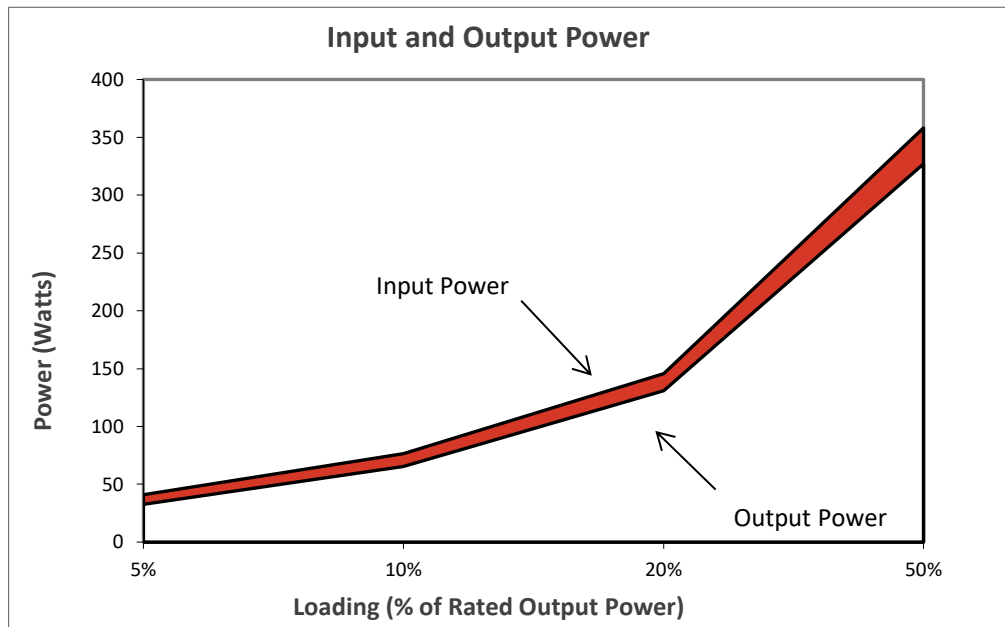


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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

Input AC Current Waveform (ITHD = 4.78%, 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		
0.084	0.4398	44.85	0%	4.25	No-Load						
0.384	0.9304	17.68	5%	41.08	12.06/2.29	12/0.013	3.36/0.51	4.99/0.51	5.11/0.127	32.67	79.53%
0.684	0.9740	12.50	10%	76.63	12.06/4.58	12/0.025	3.36/1.02	4.99/1.02	5.11/0.254	65.35	85.27%
1.278	0.9915	5.73	20%	145.69	12.06/9.16	12/0.051	3.36/2.04	4.99/2.04	5.09/0.508	130.71	89.72%
3.123	0.9974	4.78	50%	358.10	12.08/22.9	12.01/0.127	3.36/5.1	4.99/5.1	5.04/1.27	326.98	91.31%
6.403	0.9984	4.35	100%	735.26	12.08/45.8	12.05/0.254	3.36/10.2	4.99/10.2	4.97/2.539	654.02	88.95%



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/>