

80 PLUS Verification and Testing Report

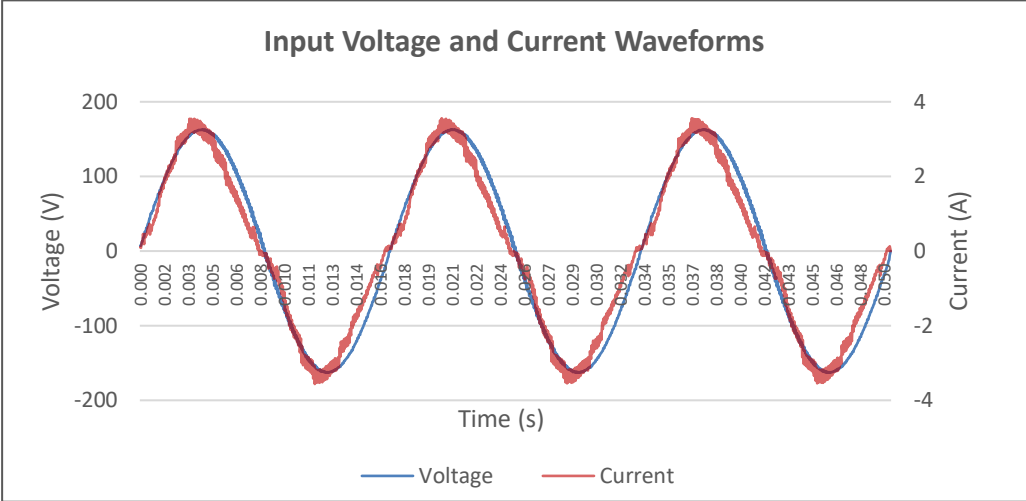
TYPICAL EFFICIENCY (50% Load):	92.31%
AVERAGE EFFICIENCY :	88.23%
80 PLUS COMPLIANT:	Platinum



ID Number	7456
Manufacturer	In Win
Model Number	IP-P450KF7-2
Serial Number	P62243005300098
Type	TFX
Test Date	7/3/24

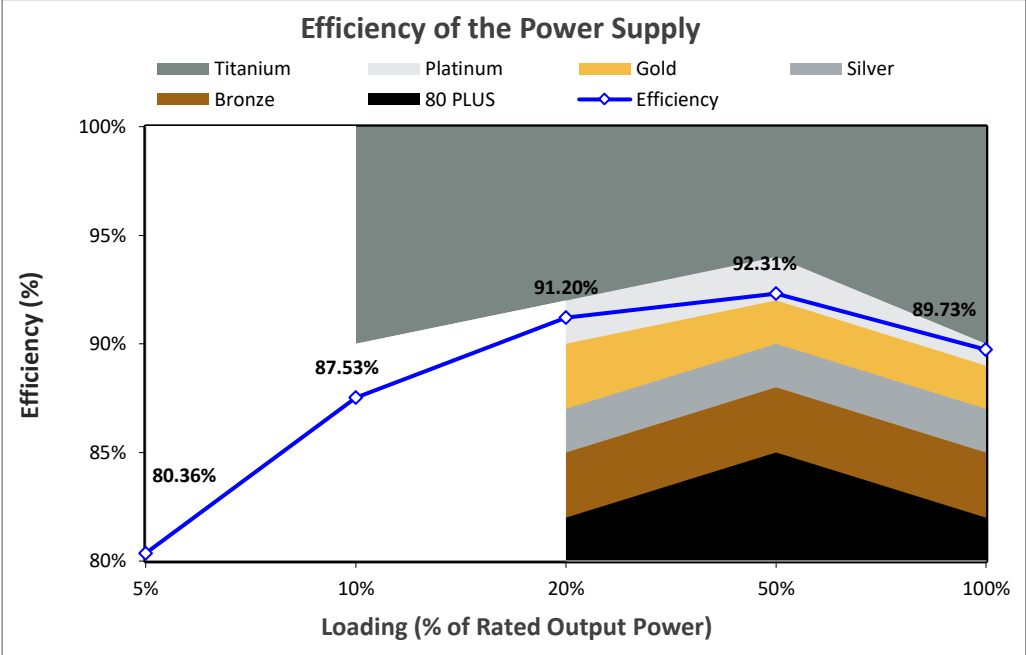
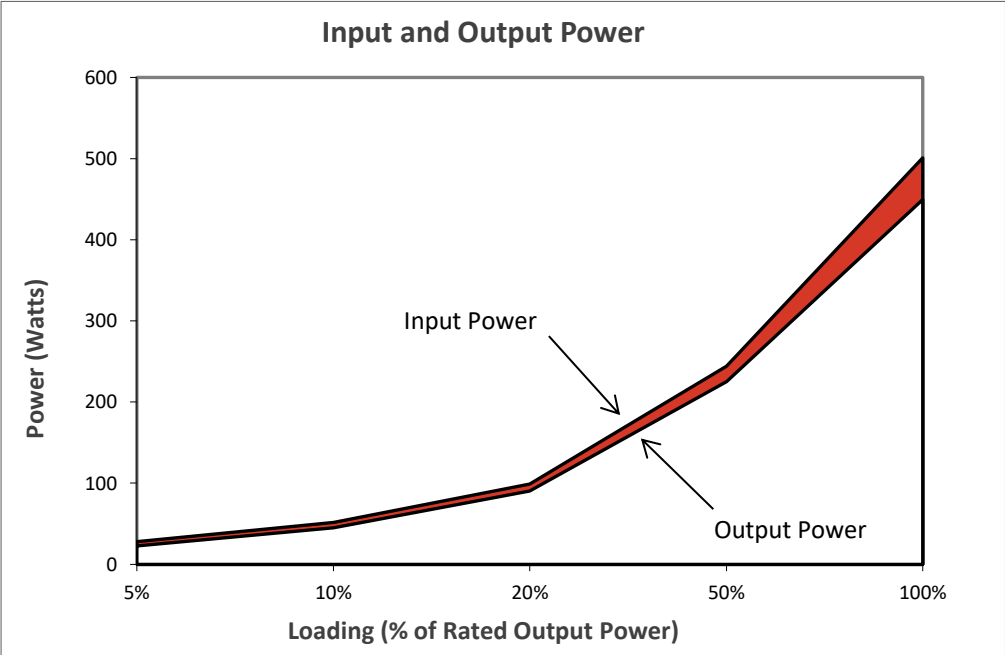
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50/60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 12.69%, 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		
0.087	0.4663	27.10	0%	4.67	No-Load						
0.270	0.9043	20.07	5%	28.12	12.01/1.51	11.97/0.012	3.34/0.44	5.1/0.44	5.11/0.121	22.60	80.36%
0.472	0.9508	17.93	10%	51.61	12.01/3.02	11.93/0.024	3.34/0.87	5.1/0.87	5.1/0.242	45.18	87.53%
0.884	0.9742	15.35	20%	99.00	12/6.04	11.97/0.048	3.34/1.75	5.09/1.75	5.09/0.483	90.29	91.20%
2.151	0.9866	12.69	50%	243.93	11.98/15.11	12.18/0.121	3.32/4.37	5.07/4.37	5.06/1.208	225.17	92.31%
4.402	0.9896	10.96	100%	500.92	11.96/30.21	12.53/0.242	3.3/8.74	5.04/8.74	5/2.415	449.49	89.73%



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/>