

80 PLUS Verification and Testing Report

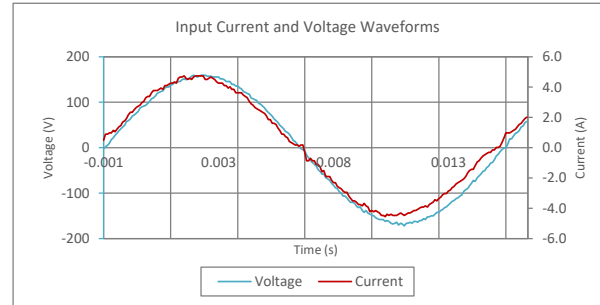
TYPICAL EFFICIENCY (50% Load):	92.41%
AVERAGE EFFICIENCY :	91.33%
80 PLUS COMPLIANT:	YES



ID Number	6477
Manufacturer	Fractal Design
Model Number	FD-P-1A2P-660
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	2/24/21

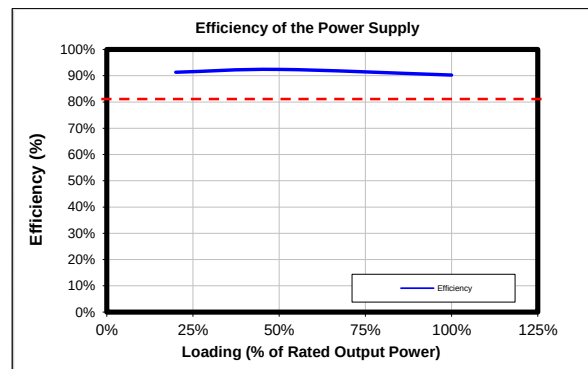
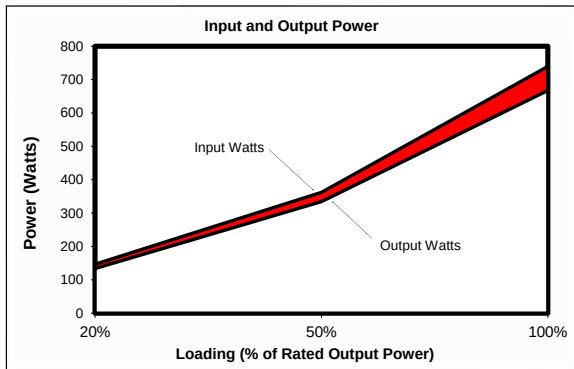
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	660	Watts

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



Input AC Current Waveform (THD = 3.17%, 50% Load)

I _{RMS}	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	5Vsb		
0.69	0.96	0.00%	10%	76.60	12.17/4.6	12.01/0.03	3.31/1.11	5.03/1.11	5.02/0.25	66.85	87.27%
1.29	0.99	10.45%	20%	146.80	12.16/9.25	12/0.05	3.31/2.22	5.01/2.21	5/0.5	134.05	91.32%
3.16	1.00	3.17%	50%	361.90	12.14/23.12	11.63/0.13	3.31/5.55	5.02/5.5	4.99/1.26	334.43	92.41%
6.44	1.00	2.88%	100%	739.40	12.1/46.25	12.01/0.25	3.36/11.11	5.01/10.98	4.94/2.51	667.37	90.26%



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/>