

80 PLUS Verification and Testing Report

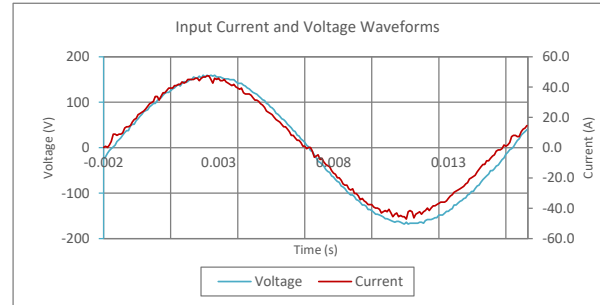
TYPICAL EFFICIENCY (50% Load):	91.05%
AVERAGE EFFICIENCY :	89.72%
80 PLUS COMPLIANT:	YES



ID Number	6101
Manufacturer	Fractal Design (FD Sweden AB)
Model Number	FD-P-1A2G-650
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	9/15/20

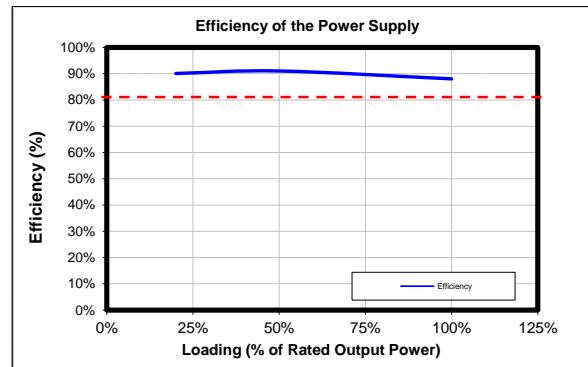
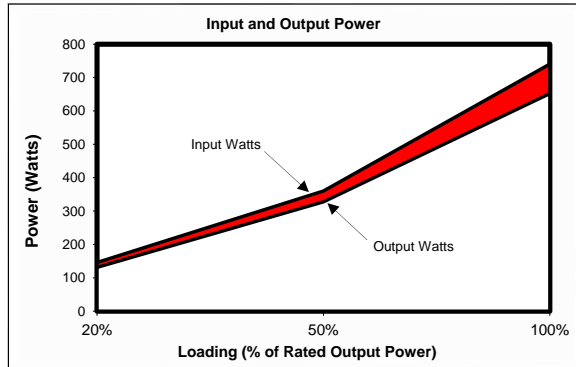
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (I_{THD} = 3.87%, 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		
0.70	0.95	20.43%	10%	77.25	12.09/4.52	11.99/0.03	3.34/1.1	5.02/1.11	5.01/0.25	65.49	84.78%
1.29	0.98	15.04%	20%	145.80	12.08/9.07	11.99/0.05	3.36/2.22	5.05/2.21	5.03/0.5	131.33	90.08%
3.14	1.00	3.87%	50%	360.10	12.06/22.71	11.86/0.13	3.35/5.54	5.02/5.49	4.99/1.25	327.87	91.05%
6.45	1.00	3.43%	100%	740.70	11.99/45.4	12.05/0.25	3.32/11.09	5.04/10.97	4.98/2.51	652.16	88.05%



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/>

