

80 PLUS Verification and Testing Report

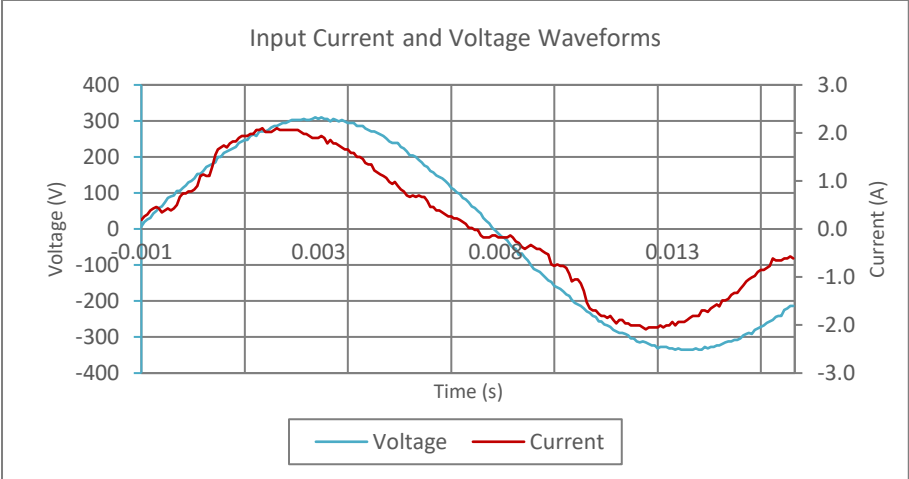
TYPICAL EFFICIENCY (50% Load):	87.66%
AVERAGE EFFICIENCY :	86.04%
80 PLUS COMPLIANT:	YES



ID Number	EU-607
Manufacturer	ShenZhen Fluence Technology PLC.
Model Number	GI-ST500
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	11/15/19

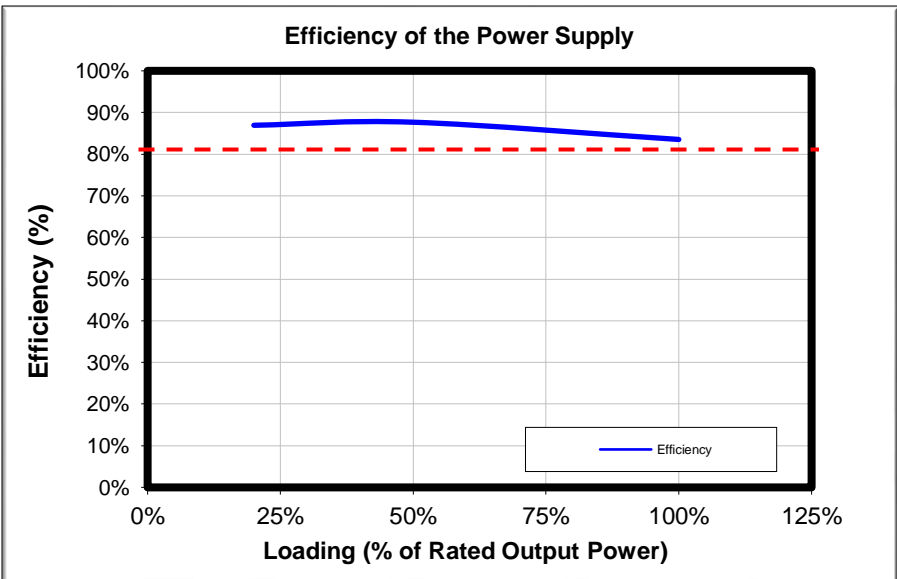
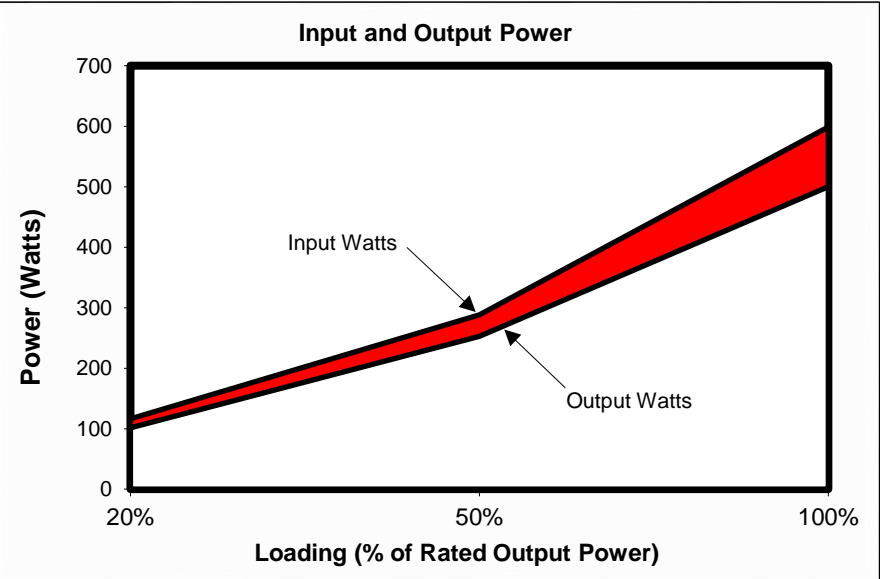
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 18.47%, 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		
0.31	0.86	33.01%	10%	61.48	12.13/3.28	11.86/0.02	3.34/1.05	5.05/1.2	5.11/0.21	50.65	82.39%
0.55	0.92	26.26%	20%	116.55	12.13/6.55	11.91/0.05	3.34/2.1	5.04/2.39	5.1/0.43	101.31	86.93%
1.30	0.97	18.47%	50%	287.90	12.09/16.41	12.03/0.13	3.31/5.23	5/5.94	5.06/1.07	252.38	87.66%
2.65	0.98	11.37%	100%	598.60	11.99/32.76	12.27/0.26	3.28/10.49	4.95/11.86	5/2.15	499.97	83.52%



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/>

