

80 PLUS Verification and Testing Report

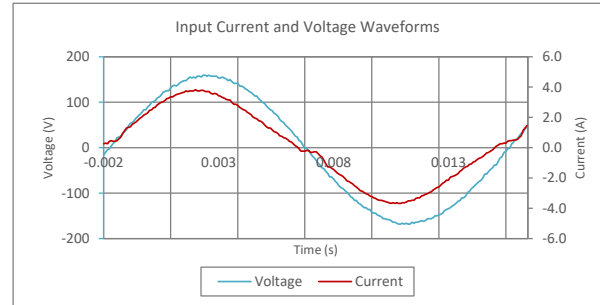
TYPICAL EFFICIENCY (50% Load):	90.92%
AVERAGE EFFICIENCY :	89.59%
80 PLUS COMPLIANT:	YES



ID Number	6079
Manufacturer	SilverStone Technology Co., Ltd.
Model Number	SST-FX500-G
Serial Number	N/A
Year	2020
Type	FLEX ATX
Test Date	9/9/20

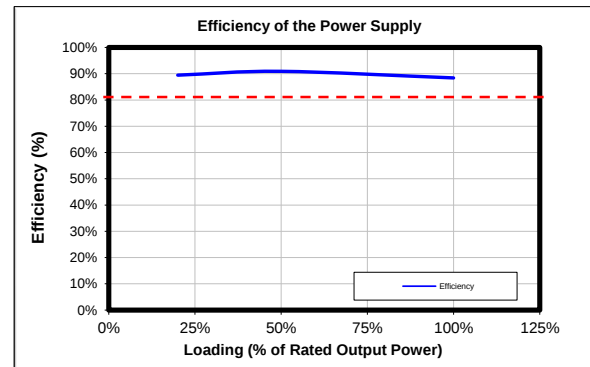
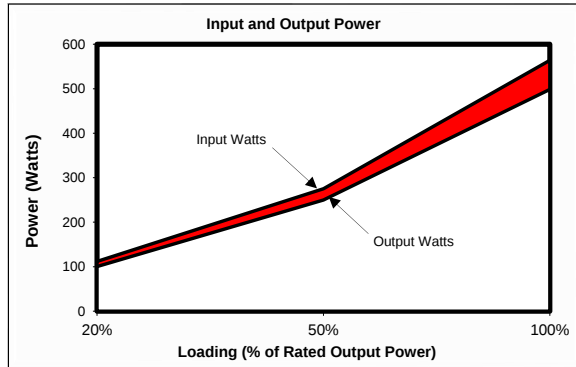
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	47-63	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (I_{THD} = 9.68%, 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		
0.55	0.94	11.61%	10%	59.23	11.98/3.45	11.62/0.02	3.34/1	5.07/0.82	5.07/0.21	50.11	84.61%
0.99	0.98	9.02%	20%	111.96	11.96/6.89	11.54/0.05	3.33/2	5.07/1.65	5.06/0.41	100.15	89.45%
2.42	0.99	9.68%	50%	275.10	11.94/17.28	11.57/0.12	3.31/5.01	5.05/4.09	5.03/1.03	250.11	90.92%
4.95	0.99	9.93%	100%	563.90	11.92/34.5	11.86/0.25	3.29/10.02	5.03/8.16	4.99/2.06	498.53	88.41%



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/>

