

80 PLUS Verification and Testing Report

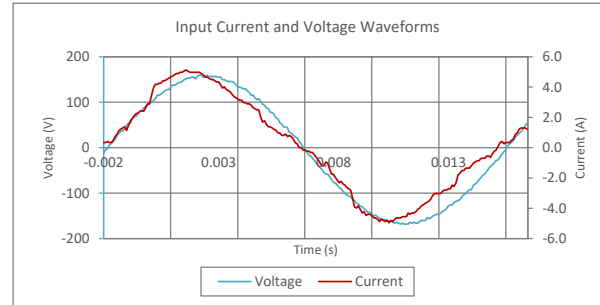
TYPICAL EFFICIENCY (50% Load):	90.87%
AVERAGE EFFICIENCY :	89.59%
80 PLUS COMPLIANT:	YES



ID Number	6291
Manufacturer	SilverStone Technology Co., Ltd.
Model Number	SST-AX0650MCGD-A
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	1/12/21

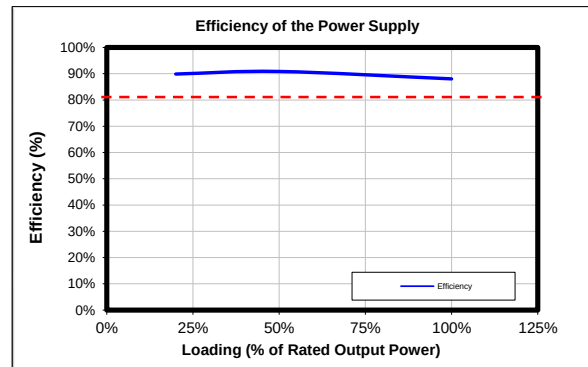
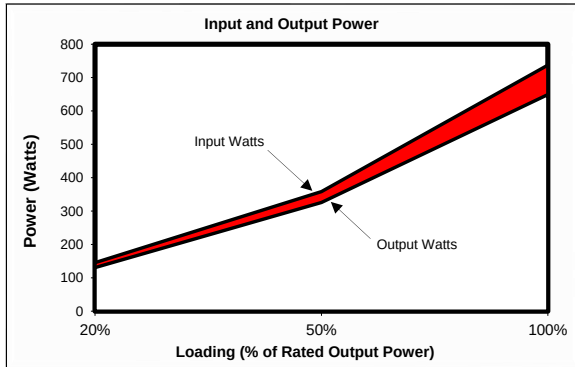
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (I_{THD} = 13.6%, 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	14.54%	10%	75.98	11.99/4.54	11.71/0.03	3.27/1.11	5.03/1.11	5.08/0.21	65.11	85.69%
1.30	0.97	14.28%	20%	145.18	11.99/9.11	11.69/0.05	3.27/2.23	5.03/2.22	5.07/0.42	130.49	89.88%
3.17	0.98	13.60%	50%	358.50	11.99/22.77	11.63/0.13	3.27/5.56	5.03/5.51	5.03/1.05	325.76	90.87%
6.52	0.98	12.58%	100%	737.40	11.99/45.38	11.9/0.25	3.27/11.14	5.03/11.02	4.97/2.1	649.18	88.04%



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/>