

80 PLUS Verification and Testing Report

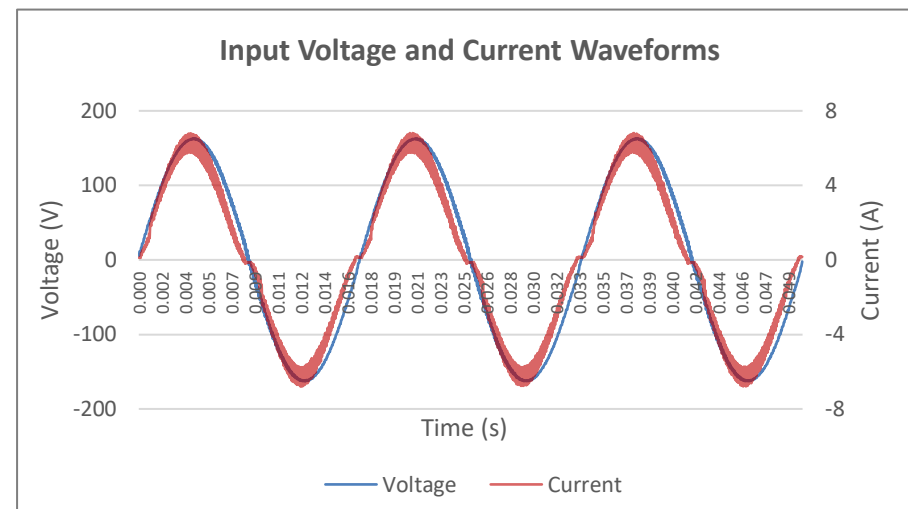
TYPICAL EFFICIENCY (50% Load):	91.64%
AVERAGE EFFICIENCY :	90.04%
80 PLUS COMPLIANT:	Gold



ID Number	7007.4
Manufacturer	SilverStone Technology Inc.
Model Number	SST-AX0850MCGD-E
Serial Number	N/A
Year	2023
Type	EPS12V
Test Date	3/22/23

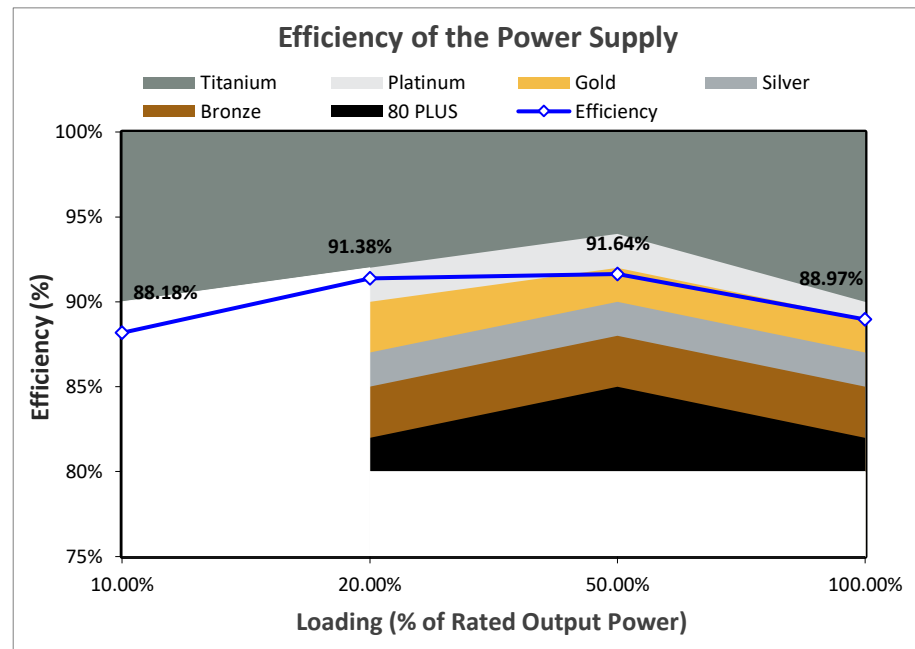
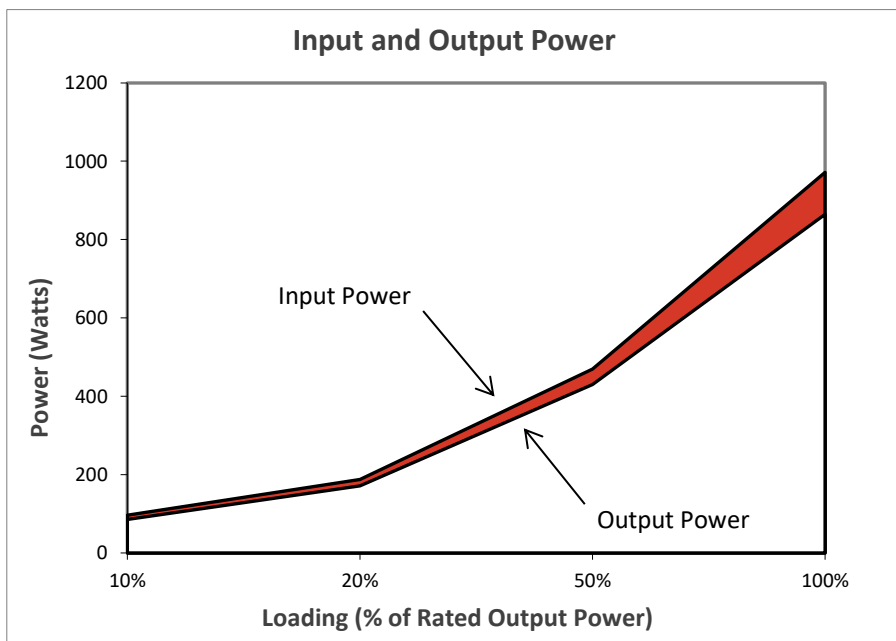
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11-5.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 10.77%, 50% Load)

I _{RMS} (A)	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		
0.874	0.9640	12.45	10%	96.87	12.03/6.07	12.2/0.03	3.36/1.3	5.03/1.3	5.05/0.22	85.41	88.18%
1.657	0.9814	11.89	20%	187.09	12.04/12.15	12.2/0.06	3.37/2.59	5.04/2.58	5.05/0.43	170.96	91.38%
4.127	0.9890	10.77	50%	469.50	12.09/30.5	12.18/0.13	3.4/6.49	5.07/6.42	5.07/1.08	430.24	91.64%
8.500	0.9945	7.66	100%	971.82	12.17/60.78	12.15/0.26	3.45/12.99	5.13/12.83	5.1/2.15	864.64	88.97%



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/>