

80 PLUS Verification and Testing Report

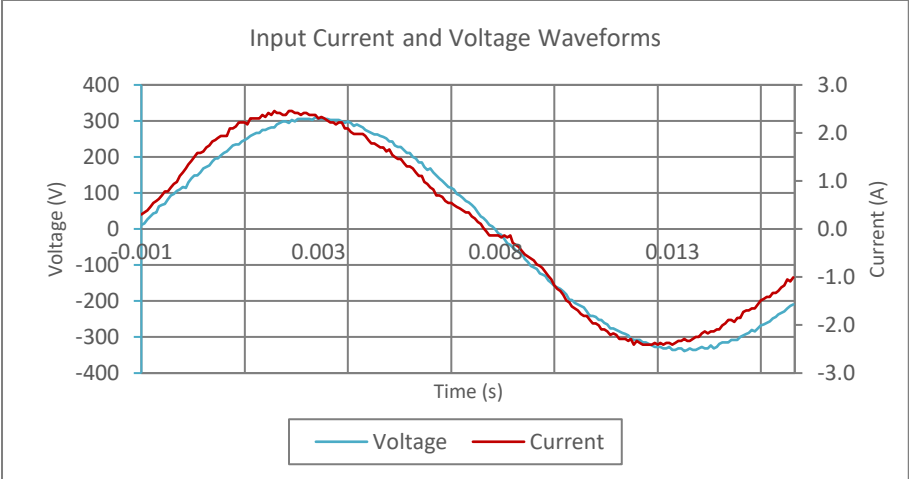
TYPICAL EFFICIENCY (50% Load):	87.50%
AVERAGE EFFICIENCY :	85.99%
80 PLUS COMPLIANT:	YES



ID Number	EU-520
Manufacturer	SilverStone Technology Co., Ltd.
Model Number	SST-ST65F-ES230
Serial Number	N/A
Year	2019
Type	ATX12V,PS2
Test Date	4/23/19

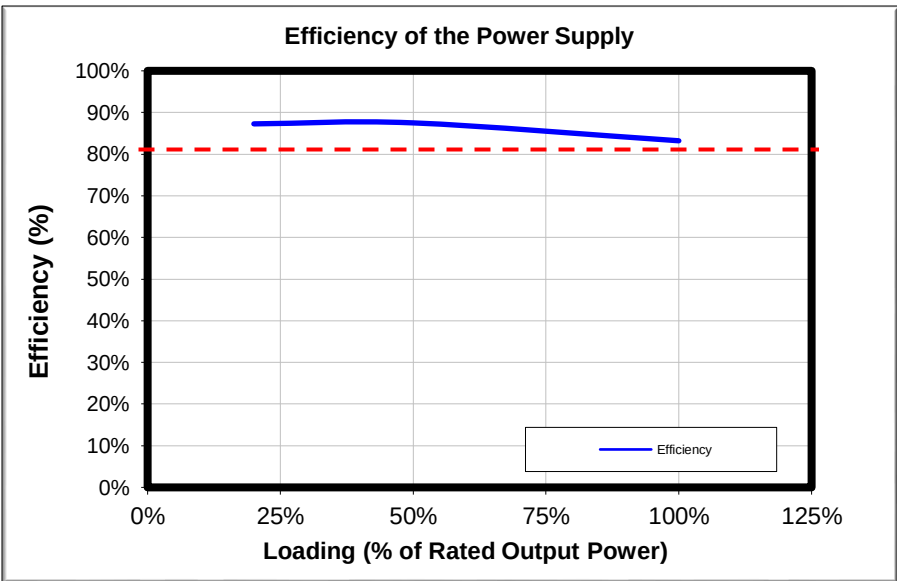
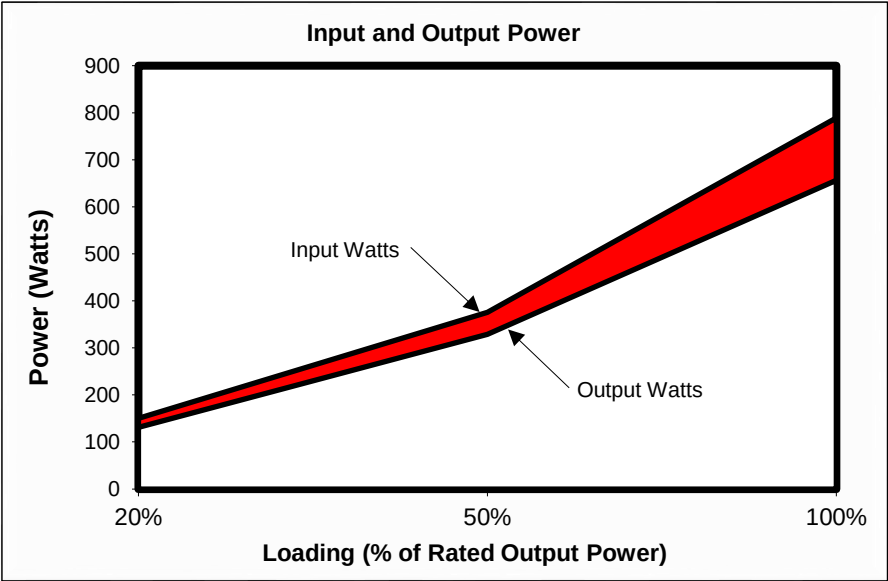
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 7.73%, 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		
0.48	0.72	64.61%	10%	79.43	12.07/4.44	11.77/0.03	3.39/1.28	5.12/1.28	5.08/0.22	65.94	83.02%
0.69	0.94	28.40%	20%	150.59	12.08/8.86	11.83/0.05	3.38/2.55	5.11/2.53	5.06/0.44	131.41	87.27%
1.65	0.99	7.73%	50%	375.36	12.07/22.19	12.01/0.13	3.36/6.39	5.06/6.33	5.01/1.1	328.44	87.50%
3.46	0.99	7.99%	100%	788.90	12.12/44.32	12.34/0.26	3.31/12.79	4.96/12.64	4.9/2.21	656.42	83.21%



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/>

