

80 PLUS Verification and Testing Report

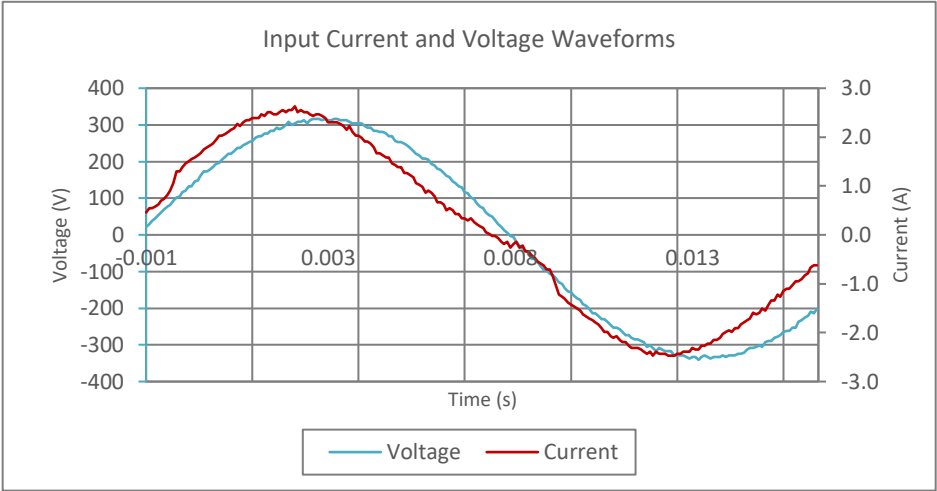
TYPICAL EFFICIENCY (50% Load):	88.86%
AVERAGE EFFICIENCY :	87.30%
80 PLUS COMPLIANT:	YES



ID Number	EU-881
Manufacturer	AZZA
Model Number	PSAZ-650B
Serial Number	N/A
Year	2022
Type	ATX12V
Test Date	2/28/22

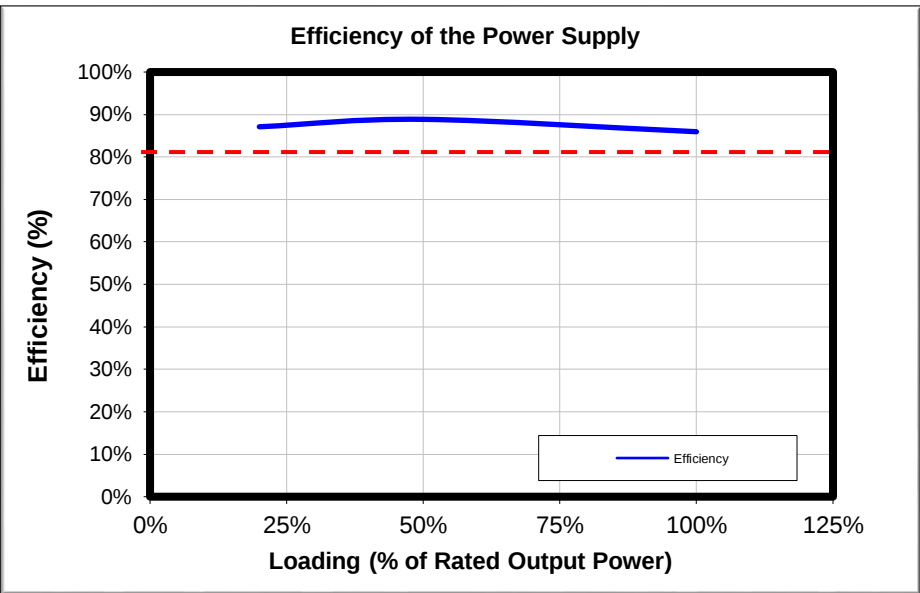
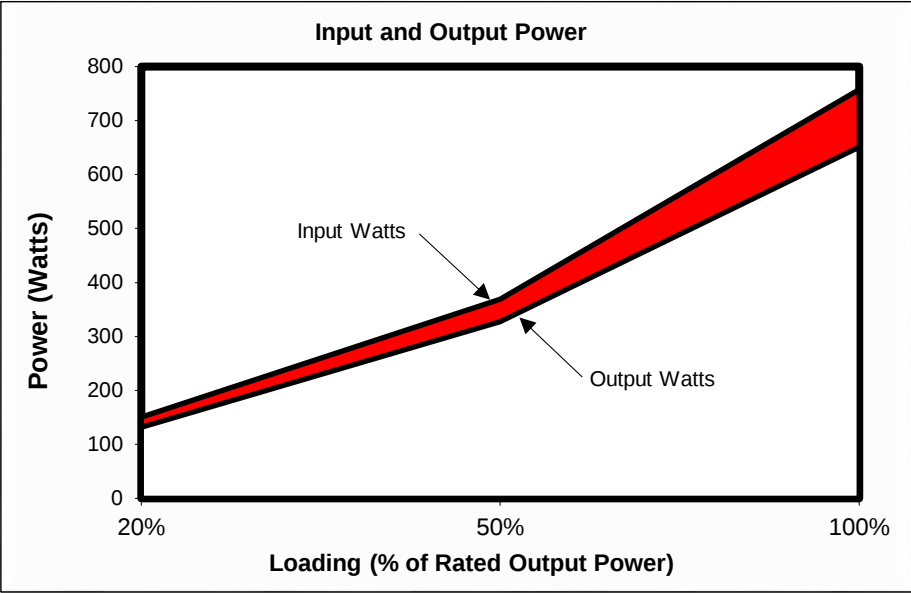
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 11.05%, 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		
0.41	0.85	18.35%	10%	79.91	12.06/4.61	12.21/0.03	3.39/1.02	5.11/1.02	5.02/0.21	65.70	82.22%
0.71	0.93	15.95%	20%	150.76	12.06/9.22	12.23/0.05	3.38/2.04	5.11/2.05	5.01/0.43	131.32	87.11%
1.65	0.97	11.05%	50%	368.70	12.05/23.07	12.2/0.13	3.34/5.12	5.07/5.07	4.95/1.06	327.62	88.86%
3.34	0.99	6.59%	100%	757.40	12.05/45.9	12.32/0.26	3.29/10.25	5.02/10.15	4.85/2.13	650.94	85.94%



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/>