

80 PLUS Verification and Testing Report

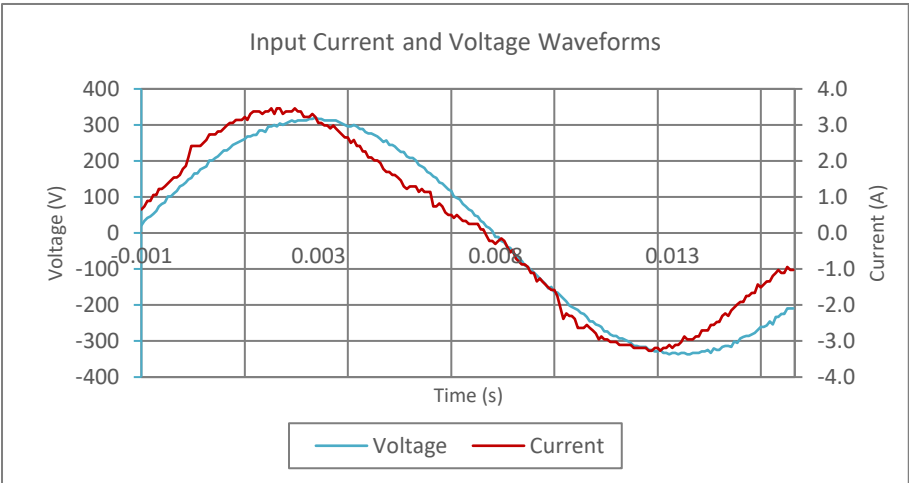
TYPICAL EFFICIENCY (50% Load):	93.10%
AVERAGE EFFICIENCY :	92.23%
80 PLUS COMPLIANT:	YES



ID Number	EU-853
Manufacturer	1st Player
Model Number	HA-900AA2
Serial Number	N/A
Year	2021
Type	ATX12V, EPS12V
Test Date	8/19/21

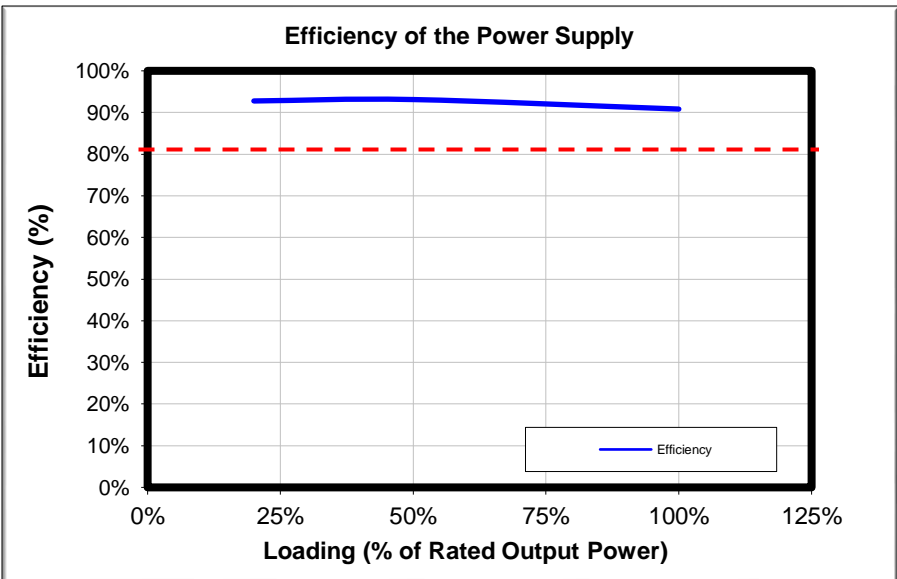
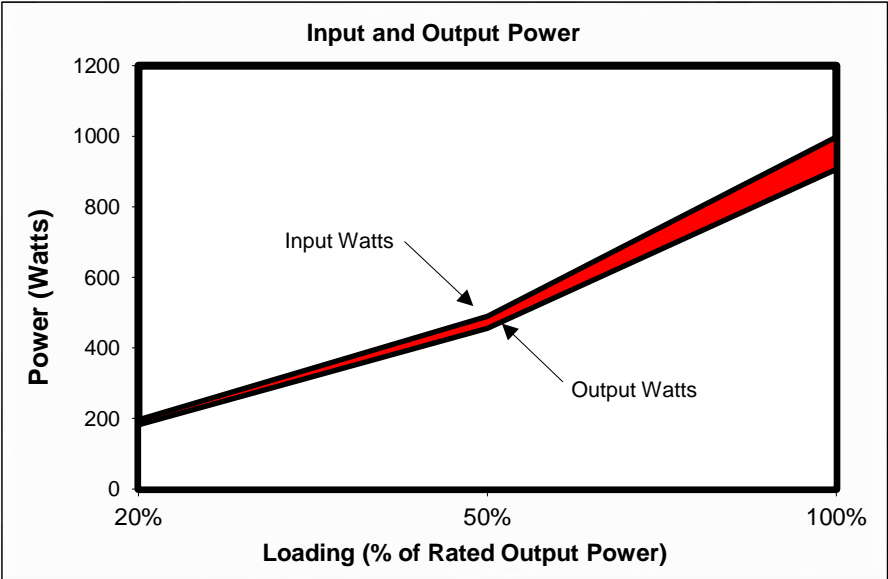
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	900	Watts

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



Input AC Current Waveform (ITHD = 11.67%, 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		
0.52	0.86	14.74%	10%	102.23	12.13/6.65	11.98/0.03	3.36/1.07	5.15/1.07	5.16/0.22	91.21	89.22%
0.91	0.94	12.19%	20%	196.98	12.13/13.34	11.71/0.05	3.35/2.13	5.13/2.12	5.14/0.44	182.73	92.77%
2.19	0.97	11.67%	50%	489.40	12.1/33.36	11.48/0.13	3.35/5.34	5.1/5.3	5.1/1.11	455.65	93.10%
4.41	0.98	8.33%	100%	997.90	12.05/66.67	11.75/0.27	3.33/10.68	5.05/10.57	5.04/2.21	906.28	90.82%



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/>