

80 PLUS Verification and Testing Report

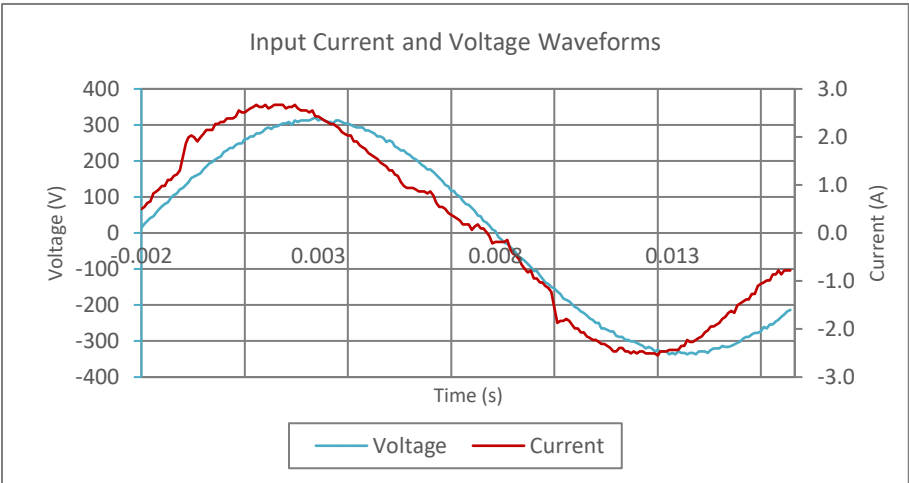
TYPICAL EFFICIENCY (50% Load):	92.61%
AVERAGE EFFICIENCY :	91.52%
80 PLUS COMPLIANT:	YES



ID Number	EU-784
Manufacturer	1st Player
Model Number	HA-700AA2
Serial Number	N/A
Year	2021
Type	ATX12V,EPS12V
Test Date	1/18/21

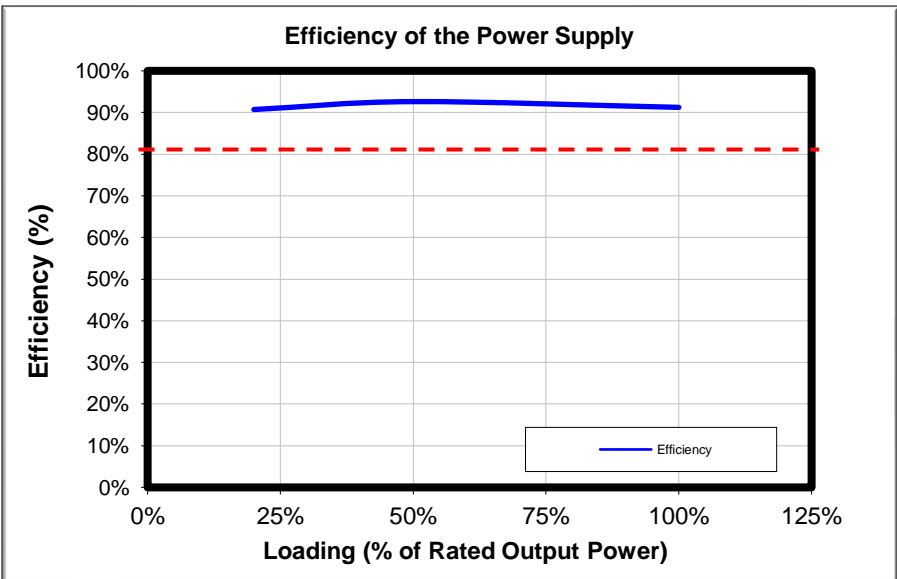
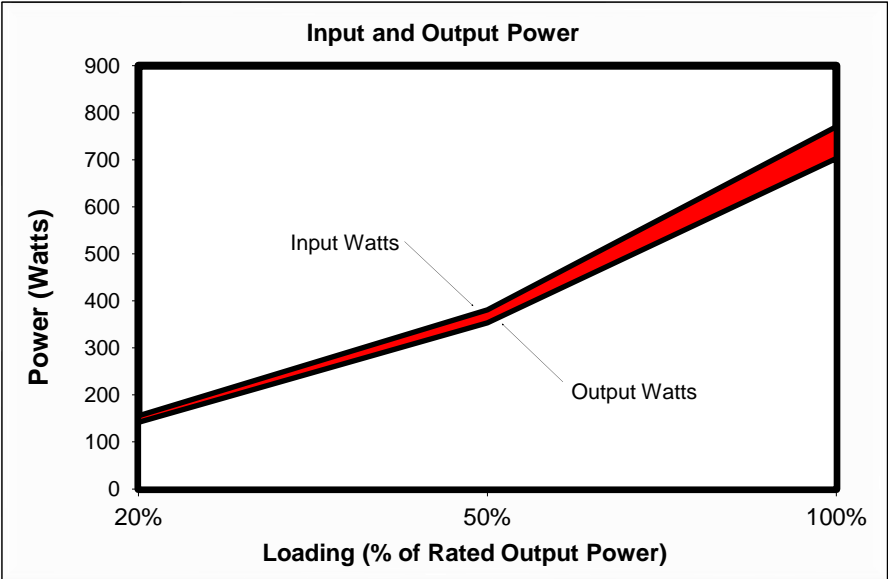
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 12.58%, 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		
0.45	0.81	18.90%	10%	82.54	12.08/5	11.85/0.03	3.33/1.04	5.11/1.04	5.16/0.22	70.69	85.65%
0.74	0.91	14.13%	20%	156.14	12.08/10.05	11.6/0.05	3.32/2.08	5.1/2.07	5.15/0.43	141.63	90.71%
1.72	0.96	12.58%	50%	381.40	12.06/25.12	11.36/0.13	3.29/5.19	5.07/5.15	5.1/1.08	353.22	92.61%
3.42	0.98	8.35%	100%	770.40	12.04/50.17	11.55/0.26	3.24/10.4	5.01/10.29	5.02/2.15	702.83	91.23%



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/>