80 PLUS Verification and Testing Report

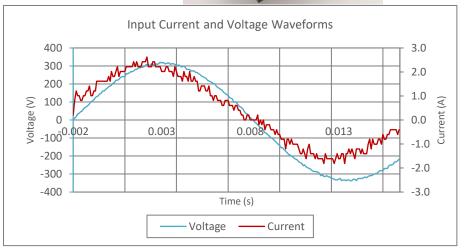
80 PLUS COMPLIANT:	YES	
AVERAGE EFFICIENCY:	86.95%	
TYPICAL EFFICIENCY (50% Load):	88.43%	



ID Number	EU-781
Manufacturer	1st Player
Model Number	HA-500AC2
Serial Number	N/A
Year	2021
	ATX12V
Test Date	1/15/21

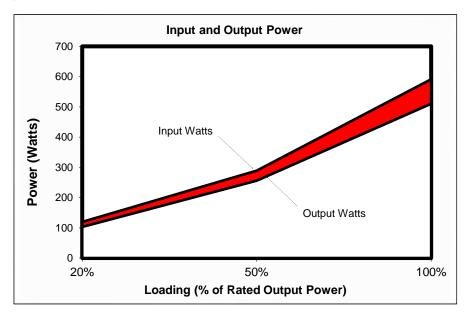
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

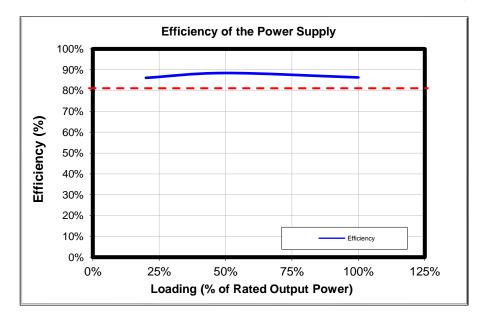
Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 7.37%, 50% Load)

1	PF	I	Lood	Input	DC Terminal Voltage (V)/ DC Load Current (A)					Output	Efficiency
IRMS	PF	ITHD	Load	Watts	12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb	Watts	Efficiency
0.35	0.80	12.96%	10%	63.97	12.28/3.39	12.36/0.02	3.39/0.99	5.1/0.99	5.04/0.21	51.32	80.23%
0.57	0.91	9.90%	20%	119.14	12.27/6.77	12.32/0.05	3.38/1.98	5.09/1.97	5.03/0.41	102.59	86.11%
1.29	0.97	7.37%	50%	289.20	12.26/16.94	12.23/0.12	3.36/4.94	5.07/4.91	4.98/1.03	255.74	88.43%
2.60	0.99	6.25%	100%	591.10	12.25/33.85	12.2/0.24	3.32/9.92	5.03/9.82	5.03/2.06	510.16	86.31%







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/