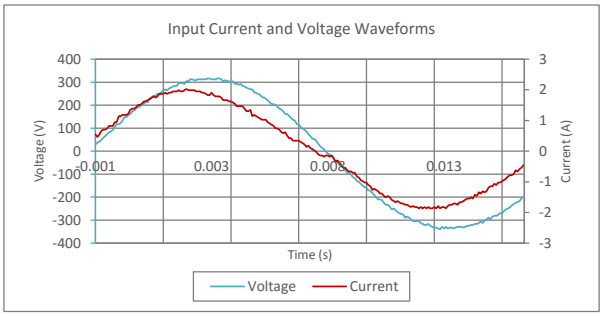
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**85.97%**
AVERAGE EFFICIENCY :	**84.36%**
80 PLUS COMPLIANT:	**YES**

ID Number	EU-323
Manufacturer	Andyson International Co., Ltd.
Model Number	AD-Z500L
Serial Number	N/A
Year	2017
Type	ATX12V
Test Date	5/24/17

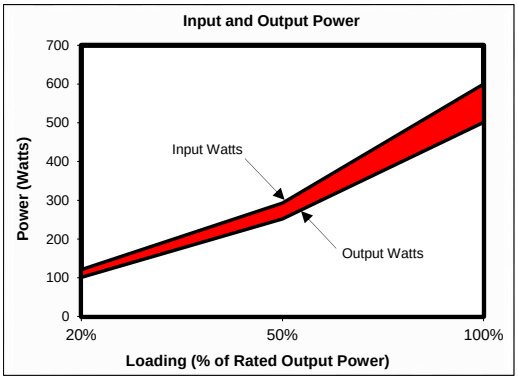
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	3.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	**500**	**Watts**

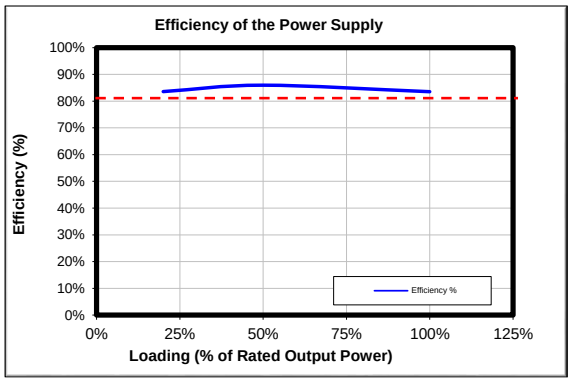
Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 7.89%, 50% Load)

I_{RMS} A	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		
0.42	0.68	57.06%	10%	65.57	12.08/3.14	11.99/0.03	3.39/1.32	5.16/1.32	5.16/0.21	50.64	**77.23%**
0.58	0.90	28.13%	20%	120.93	12.07/6.26	11.97/0.07	3.38/2.65	5.14/2.63	5.14/0.42	101.07	**83.58%**
1.30	0.98	7.89%	50%	292.80	12.05/15.67	12.02/0.17	3.36/6.62	5.06/6.57	5.08/1.06	251.72	**85.97%**
2.64	0.99	9.14%	100%	599.80	12.05/31.35	12.21/0.34	3.33/13.21	4.94/13.11	4.97/2.11	501.03	**83.53%**





PLUG LOAD solutions

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/*

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