80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**86.13%**
AVERAGE EFFICIENCY :	**84.41%**
80 PLUS COMPLIANT:	**YES**

ID Number	5912
Manufacturer	ADATA
Model Number	PYLON 450 BRONZE
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	2/25/20

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7/3.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	**450**	**Watts**

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.

Input Current and Voltage Waveforms
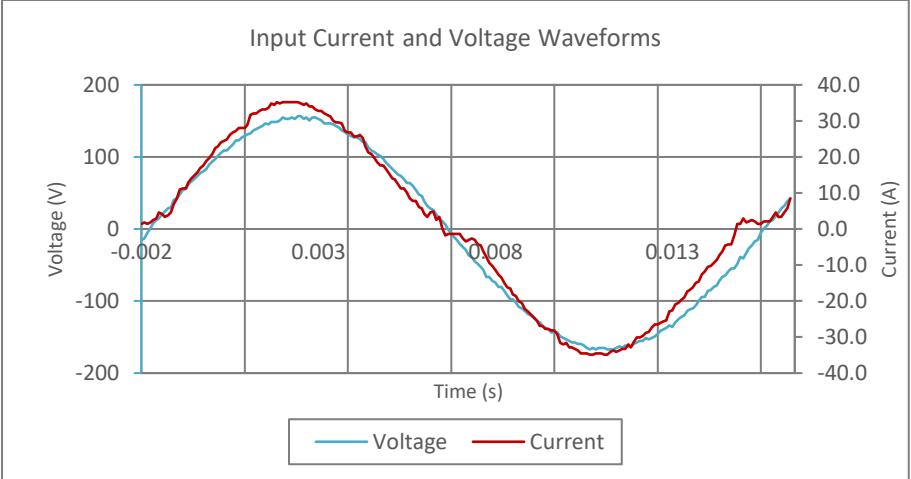
Input AC Current Waveform (ITHD = 10.76%, 50% Load)

I_{RMS}	PF	I_{THD}	Load	Input Watts	12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb	Output Watts	Efficiency
					DC Terminal Voltage (V)/ DC Load Current (A)						
0.53	0.97	17.79%	10%	58.53	12.2/2.98	11.87/0.02	3.32/0.96	5.03/0.96	5.07/0.2	45.58	77.88%
0.96	0.98	14.15%	20%	108.87	12.19/5.98	11.89/0.05	3.31/1.92	5.02/1.91	5.05/0.4	91.46	84.01%
2.32	0.99	10.76%	50%	264.60	12.14/14.97	12/0.12	3.31/4.79	5.02/4.75	5.02/0.99	227.91	86.13%
4.77	0.99	8.96%	100%	545.50	12.07/29.92	12.2/0.24	3.29/9.59	5.02/9.49	4.97/1.99	453.29	83.10%

Input and Output Power

Efficiency of the Power Supply
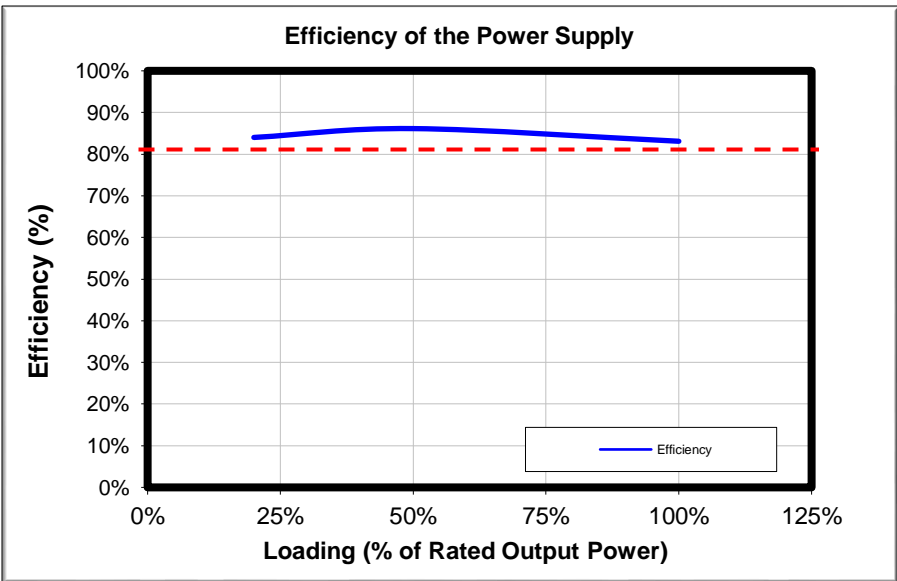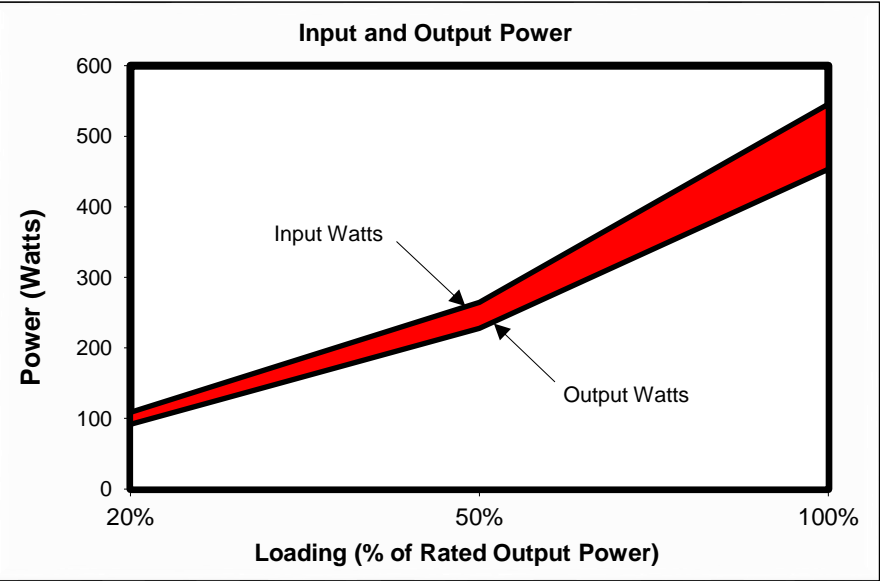
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. *http://www.80plus.org/*

80 PLUS®