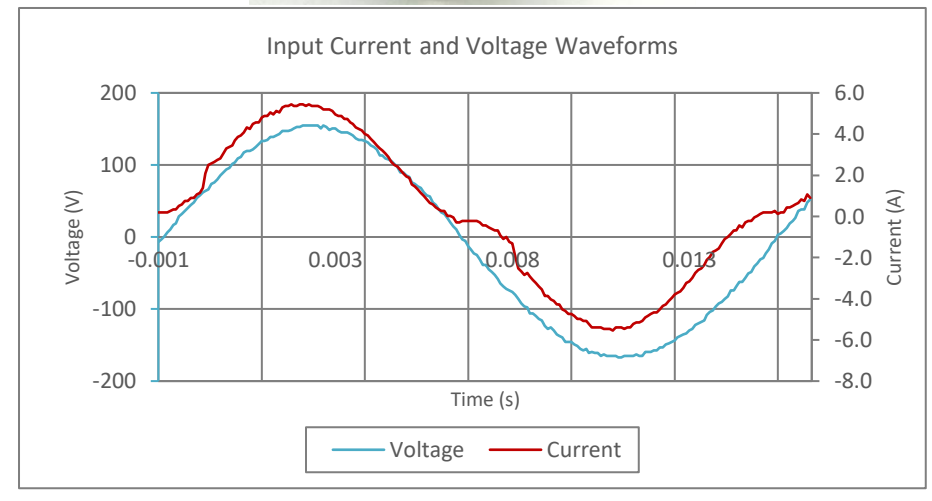
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**88.42%**
AVERAGE EFFICIENCY :	**86.99%**
80 PLUS COMPLIANT:	**YES**

ID Number	5629.1
Manufacturer	Advantech Co., Ltd.
Model Number	FSP700-80PSA(SK)
Serial Number	S8451000070
Year	2019
Type	ATX12V,EPS12V,PS2
Test Date	9/27/19

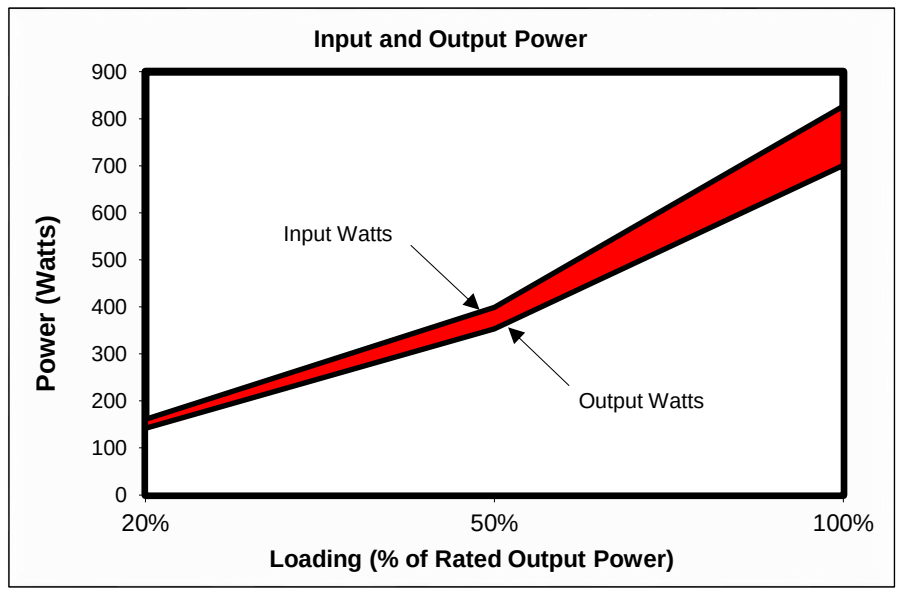
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	60-50	Hz
Rated Output Power	**700**	**Watts**

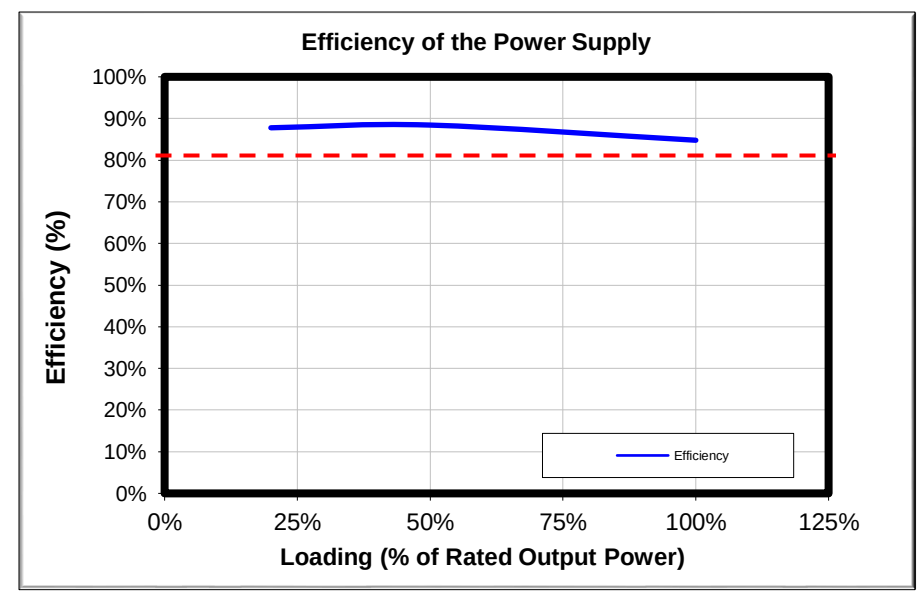
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 15.36%, 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.)	-5V	-12V	3.3V	5V	5Vsb		
0.76	0.98	20.00%	10%	85.04	12.13/4.54	4.67/0.04	11.75/0.04	3.29/1.43	5.12/1.78	5.04/0.32	71.13	**83.64%**
1.43	0.98	17.90%	20%	161.31	12.12/9.03	4.71/0.08	11.77/0.08	3.28/2.86	5.11/3.55	5.03/0.65	141.57	**87.77%**
3.53	0.99	15.36%	50%	399.60	12.1/22.63	4.85/0.2	11.79/0.2	3.25/7.16	5.06/8.86	4.99/1.61	353.32	**88.42%**
7.26	0.99	11.90%	100%	826.70	12.04/45.23	5.1/0.4	11.87/0.4	3.2/14.32	4.97/17.69	4.93/3.23	700.85	**84.78%**





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/*

80 PLUS®