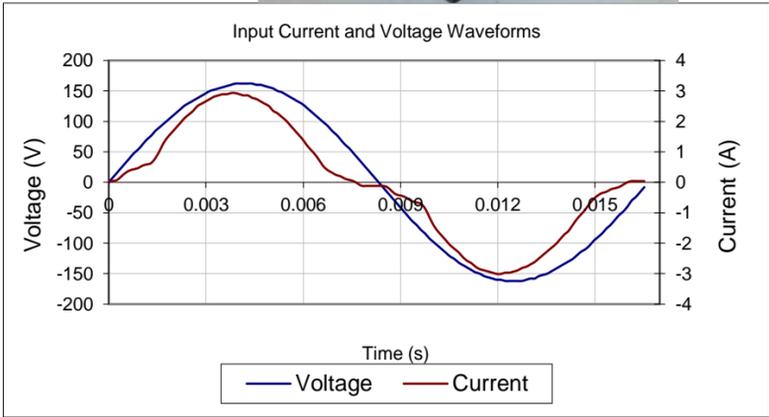


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.59%
AVERAGE EFFICIENCY :	84.76%
80 PLUS COMPLIANT:	YES



ID Number	4831
Manufacturer	FSP Technology Inc.
Model Number	HA350
Serial Number	S6440030016
Year	2017
Type	ATX12V
Test Date	1/17/17

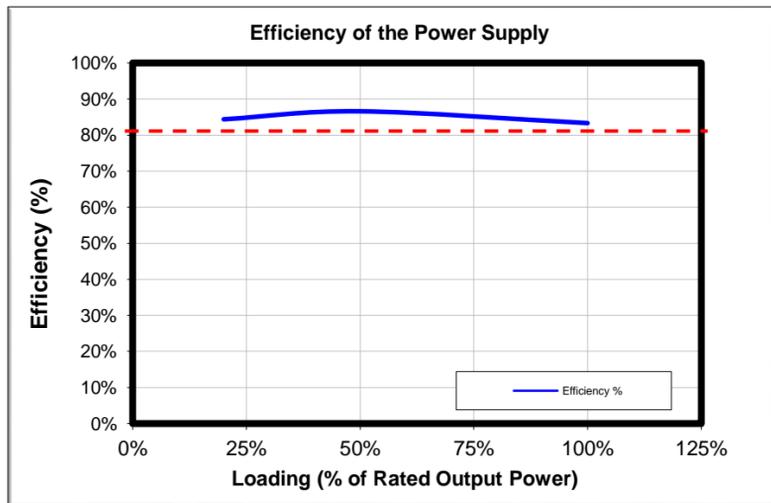
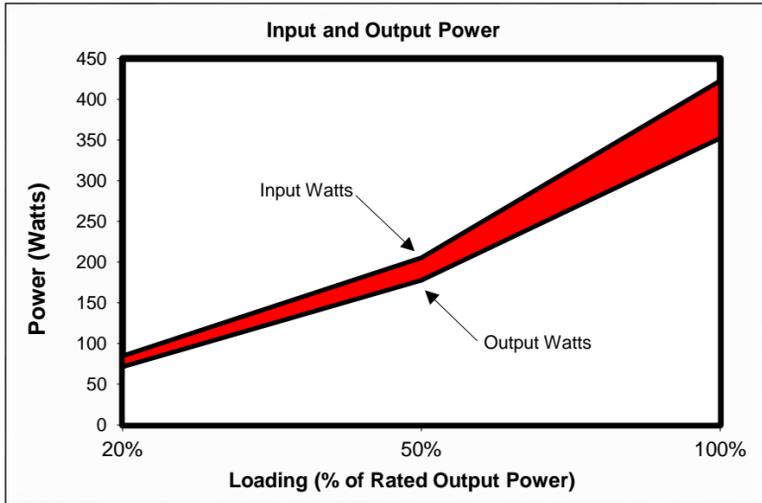


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6-3	Amps
Input Frequency	50-60	Hz
Rated Output Power	350	Watts

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

Input AC Current Waveform (ITHD = 23.21%, 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	0.95	13.62%	10%	45.39	12.22/2.12	12.09/0.02	3.37/0.99	5.15/0.99	5.08/0.2	35.62	78.49%
0.75	0.98	9.63%	20%	84.69	12.2/4.27	12.07/0.05	3.36/1.97	5.14/1.96	5.06/0.41	71.46	84.38%
1.85	0.97	23.21%	50%	205.30	12.15/10.69	12.09/0.12	3.33/4.94	5.1/4.89	4.99/1.02	177.77	86.59%
3.77	0.98	19.57%	100%	422.70	12.07/21.35	12.19/0.25	3.29/9.86	5.02/9.76	4.89/2.04	352.17	83.32%



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/>

