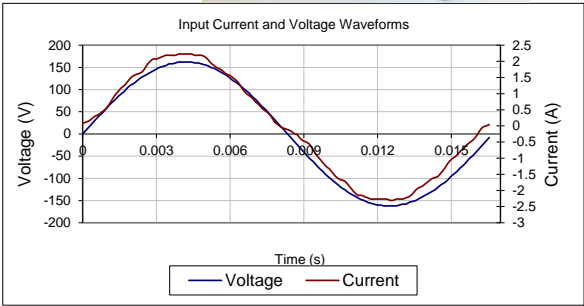


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.65%
AVERAGE EFFICIENCY :	83.86%
80 PLUS COMPLIANT:	YES



Ecos ID #	4613
Manufacturer	UNYKA TECHNOLOGY (H.K.) LIMITED
Model Number	52003
Serial Number	NA
Year	2016
Type	ATX12V,SFX
Test Date	6/16/16

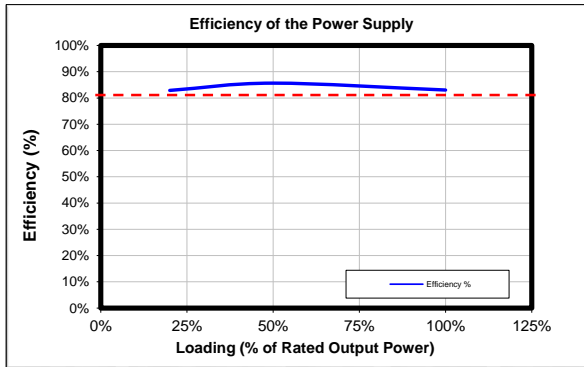
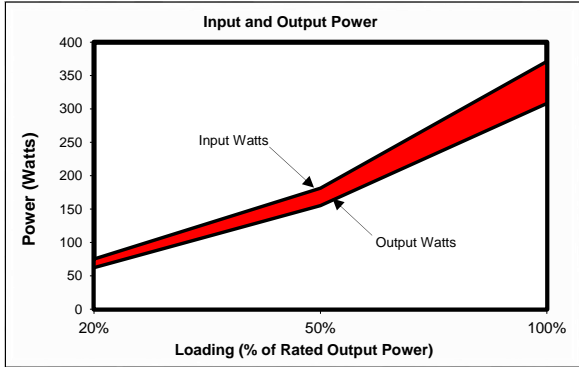


Input AC Current Waveform (ITHD = 8.05%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8/4	Amps
Input Frequency	60/50	Hz
Rated Output Power	300	Watts

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

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.)						
0.37	0.96	10.76%	10%	40.79	12.47/2.16	11.79/0.03	3.39/0.3	5.18/0.3	5.11/0.25	31.19	76.47%
0.66	0.98	10.09%	20%	75.20	12.47/4.33	11.77/0.06	3.39/0.6	5.18/0.6	5.1/0.5	62.33	82.88%
1.59	0.99	8.05%	50%	181.30	12.42/10.82	11.78/0.15	3.39/1.49	5.19/1.49	5.06/1.24	155.29	85.65%
3.24	1.00	7.30%	100%	371.30	12.35/21.6	11.82/0.3	3.38/2.99	5.2/2.97	4.99/2.49	308.30	83.03%



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/>

