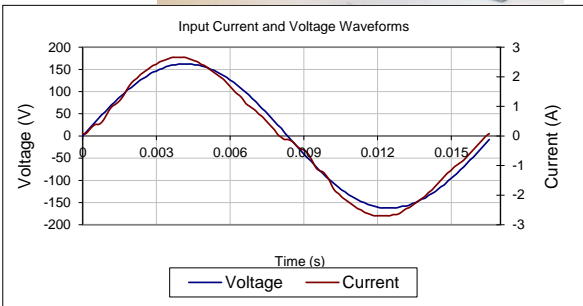


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.83%
AVERAGE EFFICIENCY :	83.98%
80 PLUS COMPLIANT:	YES



Ecos ID #	4614
Manufacturer	UNYKA TECHNOLOGY (H.K.) LIMITED
Model Number	52004
Serial Number	NA
Year	2015
Type	ATX12V,SFX
Test Date	6/16/16

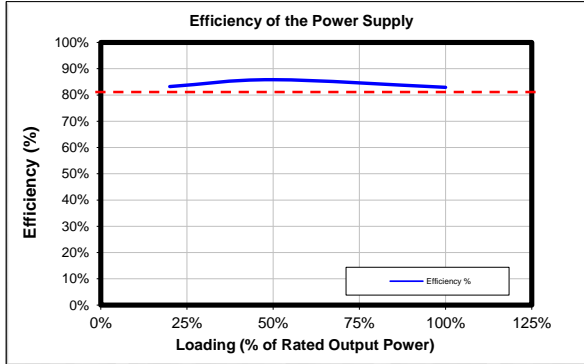
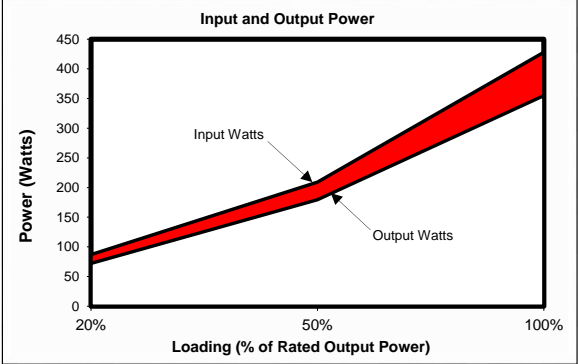


Input AC Current Waveform (ITHD = 9.23%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8/4	Amps
Input Frequency	60/50	Hz
Rated Output Power	350	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.)						
0.43	0.95	12.02%	10%	47.27	12.37/2.58	-12V	3.3V	5V	5Vsb	36.17	76.51%
0.77	0.98	10.20%	20%	86.83	12.36/5.17	11.71/0.03	3.4/0.3	5.18/0.3	5.01/0.25	72.25	83.21%
1.83	0.99	9.23%	50%	209.21	12.31/12.9	11.70/0.06	3.39/0.6	5.17/0.6	4.99/0.5	179.56	85.83%
3.74	1.00	7.16%	100%	428.10	12.2/25.74	11.70/0.15	3.38/1.5	5.16/1.5	4.95/1.25	354.94	82.91%



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/>

