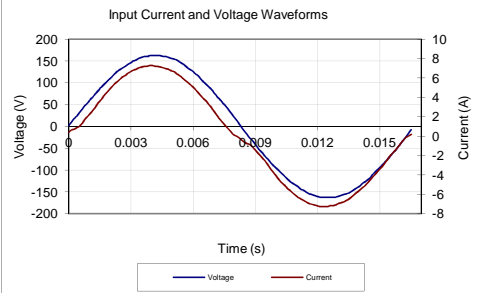


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	87.13%
AVERAGE EFFICIENCY :	85.11%
80 PLUS COMPLIANT:	YES



Ecos ID #	3632
Manufacturer	ATNG POWER CO., LTD
Model Number	APED-1150FC(M)+APFC
Serial Number	NA
Year	2013
Type	EPS12V
Test Date	7/2/13

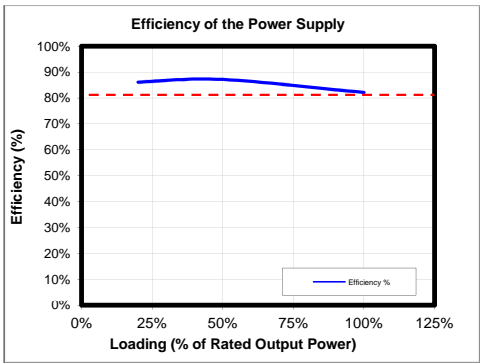
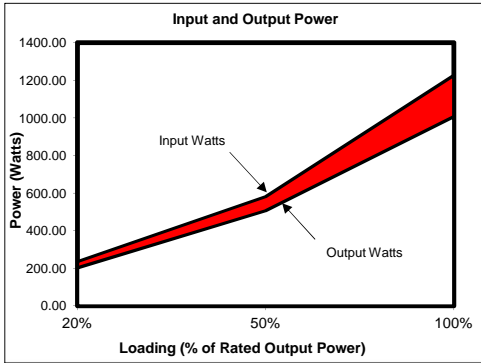


Input AC Current Waveform (ITHD = 7.19%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	15-7.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	1000	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.)						
1.09	0.99	9.40%	10%	123.80	12.1/6.9	-12V	3.3V	5V	5Vsb	101.79	82.23%
2.07	0.99	9.78%	20%	236.13	12.1/13.8	11.4/0.1	3.4/3.3	5.2/4	5.1/0.6	203.35	86.12%
5.07	1.00	7.19%	50%	581.90	12.1/34.5	11.5/0.2	3.4/8.2	5.2/10.1	5/1.4	507.01	87.13%
10.69	1.00	6.01%	100%	1227.00	12.1/68.6	11.7/0.5	3.4/16.2	5.2/20.2	5/2.7	1007.25	82.09%



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/>

