

80 PLUS Verification and Testing Report

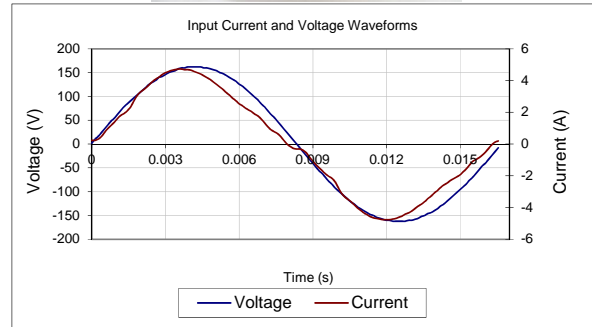
TYPICAL EFFICIENCY (50% Load):	91.57%
AVERAGE EFFICIENCY :	89.96%
80 PLUS COMPLIANT:	YES



Ecos ID #	4399.3
Manufacturer	NOX
Model Number	NXHM650GD
Serial Number	N/A
Year	2015
Type	ATX12V
Test Date	7/14/15

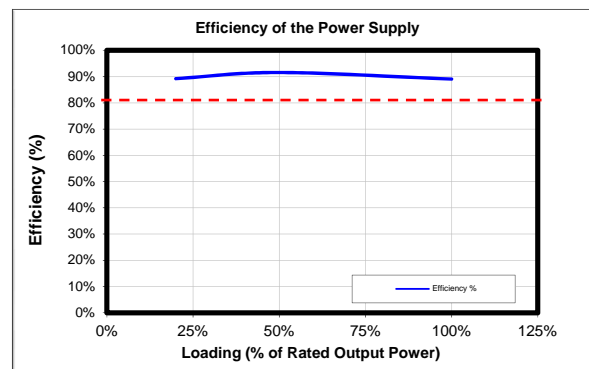
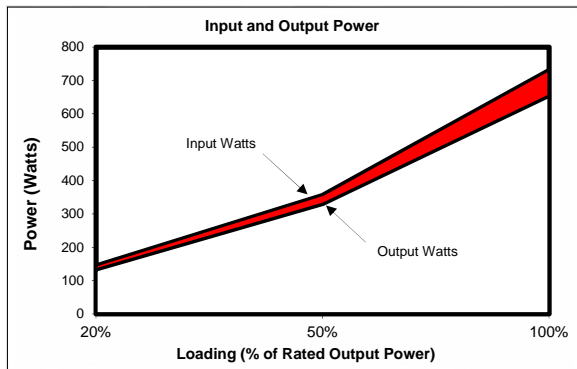
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 11.08%, 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		
0.73	0.92	10.71%	10%	77.81	12.08/4.54	11.42/0.03	3.4/1.13	5.1/1.13	5.07/0.21	65.86	84.65%
1.32	0.97	11.03%	20%	147.27	12.07/9.07	11.42/0.05	3.4/2.26	5.09/2.25	5.07/0.43	131.41	89.23%
3.16	0.99	11.08%	50%	358.40	12.06/22.7	11.51/0.13	3.38/5.65	5.08/5.61	5.05/1.07	328.20	91.57%
6.44	0.99	10.66%	100%	733.30	12.03/45.28	11.88/0.26	3.36/11.27	5.07/11.21	5.02/2.13	653.13	89.07%



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/>

