

## 80 PLUS Verification and Testing Report

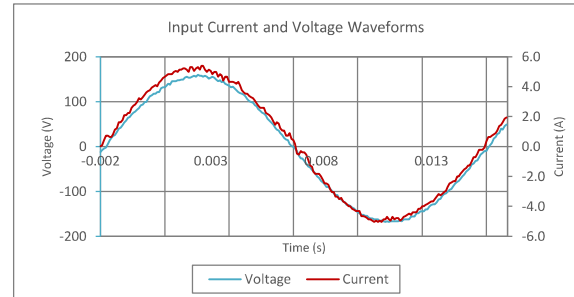
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>92.44%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>91.63%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



ID Number	6096
Manufacturer	Lenovo (United States), Inc.
Model Number	HK850-53PP
Serial Number	N/A
Year	2020
Type	CUSTOM
Test Date	9/14/20

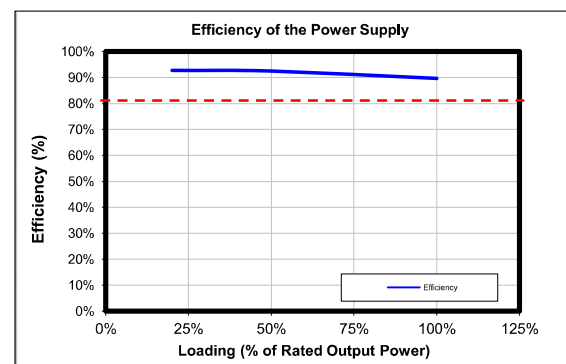
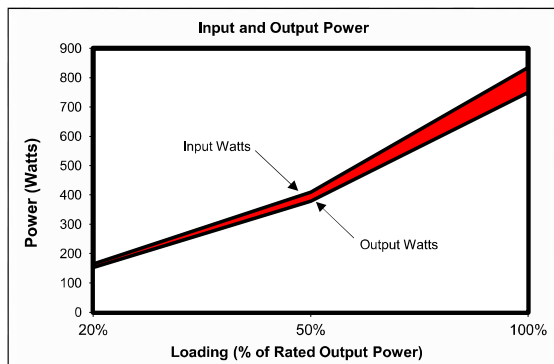
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>750</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 2.31%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V		
0.78	0.94	4.23%	10%	84.63	12.15/6.25	12.31/0.02	76.20	90.04%
1.45	0.99	4.44%	20%	164.65	12.14/12.53	12.32/0.04	152.69	92.73%
3.57	1.00	2.31%	50%	409.90	12.07/31.28	12.35/0.1	378.93	92.44%
7.27	1.00	2.58%	100%	834.80	11.98/62.3	12.4/0.2	748.90	89.71%



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/>

