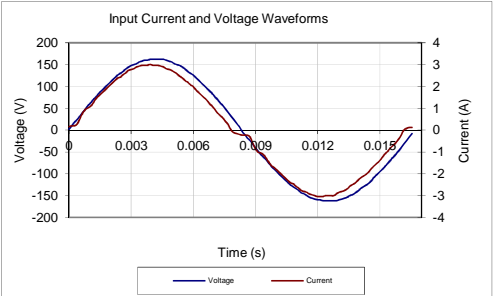


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.31%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>84.14%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	4058.1
<b>Manufacturer</b>	Inter-Tech Elektronik Handels GmbH
<b>Model Number</b>	CES-400B
<b>Serial Number</b>	N/A
<b>Year</b>	2014
<b>Type</b>	ATX12V
<b>Test Date</b>	8/27/14

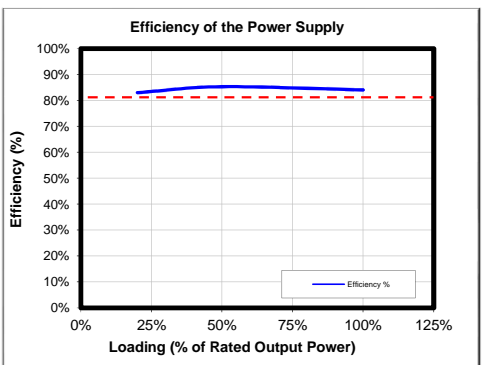
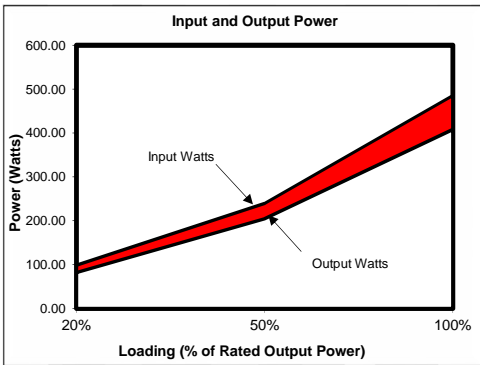


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6.3-3.15	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>400</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 6.9%, 50% Load)

I <sub>RMS</sub> A	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.)						
0.47	0.97	15.39%	10%	52.63	12.3/2.5	11.8/0	3.4/1	5.1/1	5.1/0.2	40.90	77.71%
0.87	0.99	11.61%	20%	98.58	12.3/5	11.8/0.1	3.4/2	5.1/2	5.1/0.5	81.85	83.03%
2.10	0.99	6.90%	50%	239.70	12.3/12.6	11.8/0.1	3.4/5	5/5	5.1/1.2	204.50	85.31%
4.23	1.00	4.92%	100%	485.40	12.3/25.1	11.9/0.2	3.3/10	5/10	5/2.4	408.12	84.08%



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/>

