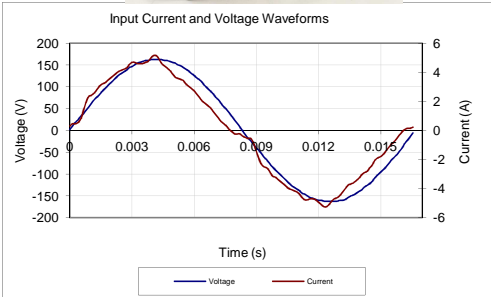


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	87.60%
AVERAGE EFFICIENCY :	85.83%
80 PLUS COMPLIANT:	YES



Ecos ID #	3282
Manufacturer	Inter-Tech Elektronik Handels GmbH
Model Number	Coba CS-650 IT 82+
Serial Number	4260133124783
Year	2012
Type	ATX12V
Test Date	05-Sep-12

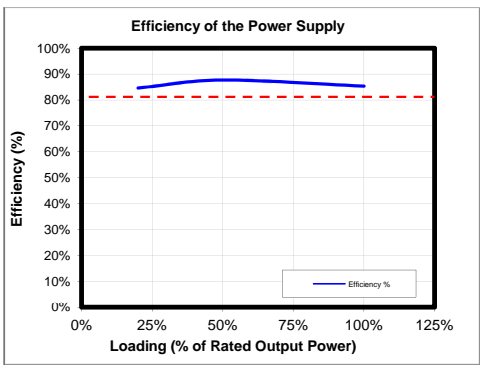
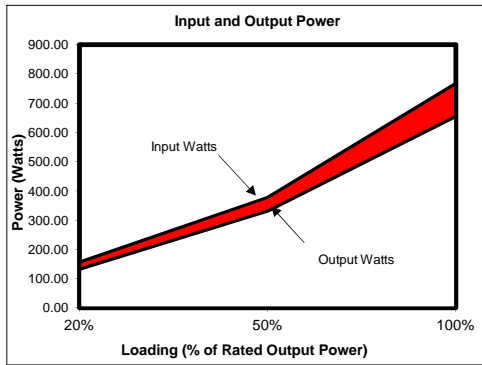


Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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

Input AC Current Waveform (ITHD = 16.55%, 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.)									
0.75	0.97	10.76%	10%	83.11	12.2/4.3				12.1/0	3.4/1.4	5.1/1.4	5.2/0.2	66.24	79.71%
1.45	0.94	16.59%	20%	156.90	12.2/8.7				12/0.1	3.4/2.7	5.1/2.7	5.1/0.4	132.69	84.57%
3.35	0.98	16.55%	50%	378.30	12.2/21.8				12/0.2	3.4/6.8	5.1/6.8	5.1/1.1	331.38	87.60%
6.72	0.99	6.36%	100%	767.90	12.1/43.5				11.9/0.4	3.3/13.5	4.9/13.6	5/2.2	655.15	85.32%



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/>

