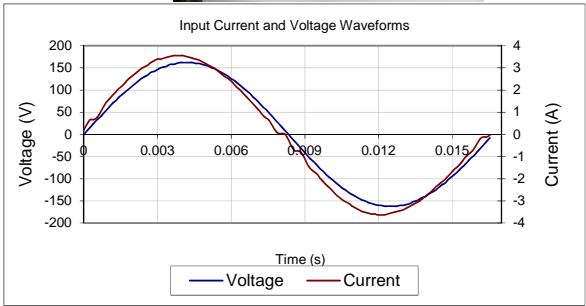


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.62%
AVERAGE EFFICIENCY :	83.65%
80 PLUS COMPLIANT:	YES



Ecos ID #	4359.1
Manufacturer	KERNEL IMPORTAÇÃO E EXPORTAÇÃO LTDA
Model Number	BLU500R-B
Serial Number	N/A
Year	2015
Type	ATX12V
Test Date	6/11/15

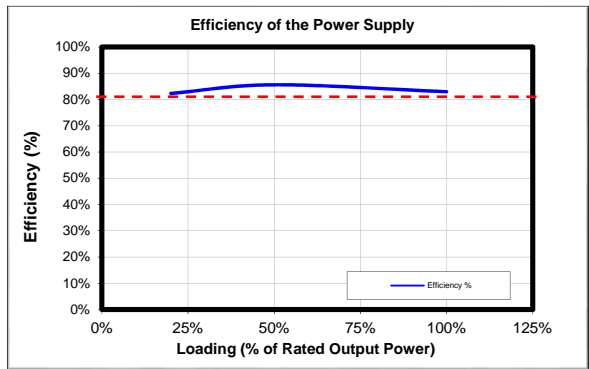
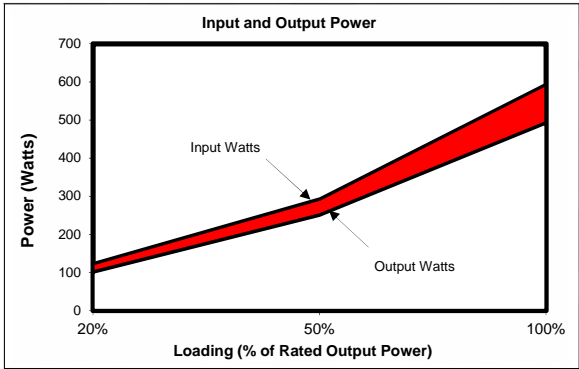


Input AC Current Waveform (ITHD = 3.49%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	N/A	Volts
Input Current	N/A	Amps
Input Frequency	N/A	Hz
Rated Output Power	500	Watts

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

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.)	-12V	3.3V	5V			5Vsb
0.64	0.90	20.03%	10%	66.80	12.06/3.33	11.73/0.03	3.39/1.09	5.19/1.09	5.16/0.18	50.71	75.92%
1.11	0.96	11.53%	20%	122.60	12.04/6.64	11.76/0.05	3.38/2.18	5.16/2.17	5.14/0.36	100.95	82.34%
2.56	0.99	3.49%	50%	292.70	11.99/16.58	11.8/0.14	3.34/5.44	5.09/5.4	5.06/0.9	250.61	85.62%
5.18	1.00	5.00%	100%	593.80	11.86/33.01	11.93/0.27	3.28/10.86	4.96/10.79	4.91/1.81	492.75	82.98%



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/>

