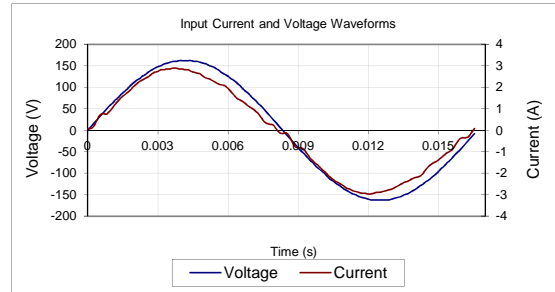


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.27%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.19%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	4392
<b>Manufacturer</b>	CFD SALES INC.
<b>Model Number</b>	KRPW-L5-400W/80+
<b>Serial Number</b>	ATX1240011152600506
<b>Year</b>	2015
<b>Type</b>	ATX12V,EPS12V
<b>Test Date</b>	7/8/15

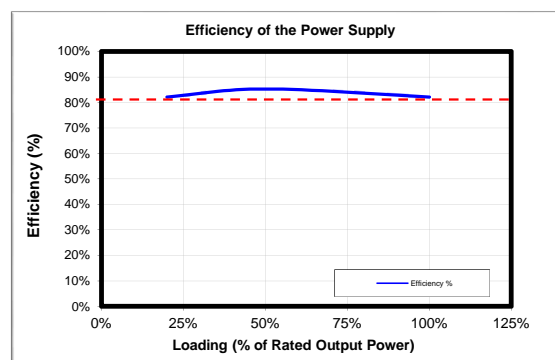
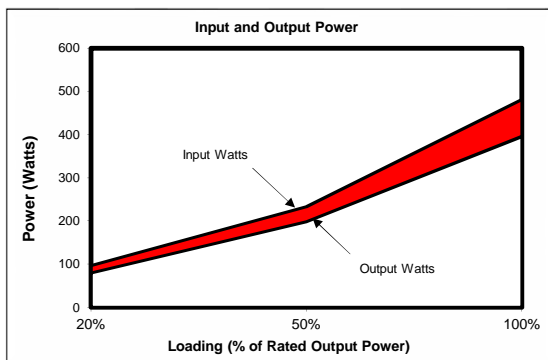


Rated Specifications	Value	Units
Input Voltage	90-132	Volts
Input Current	6	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>400</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 6.14%, 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.)	-12V	3.3V	5V	5Vsb		
0.47	0.98	13.55%	10%	52.73	11.8/2.52	11.46/0.03	3.39/1.01	5.08/1.01	5.04/0.21	39.74	75.37%
0.85	0.99	9.42%	20%	96.63	11.81/5.05	11.53/0.05	3.38/2.02	5.07/2.01	5.02/0.42	79.38	82.15%
2.03	1.00	6.14%	50%	232.60	11.81/12.64	11.68/0.13	3.34/5.06	5.04/5.02	4.97/1.05	198.35	85.27%
4.21	1.00	5.97%	100%	481.50	11.82/25.26	11.98/0.25	3.29/10.1	5.03/10.04	4.9/2.1	395.58	82.16%



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>

