

## 80 PLUS Verification and Testing Report

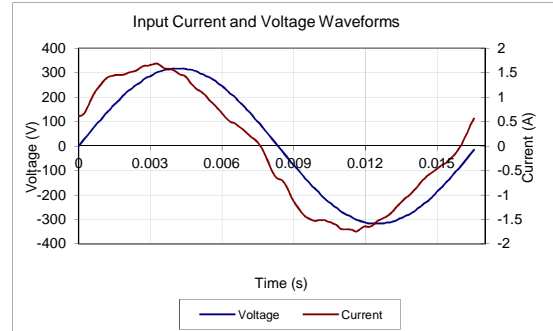
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>92.00%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>90.38%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-892
<b>Manufacturer</b>	Delta Electronics (Thailand) PCL
<b>Model Number</b>	TDPS-595AB A
<b>Serial Number</b>	CCJT15050002
<b>Year</b>	2015
<b>Type</b>	2U
<b>Test Date</b>	03/11/15

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7.2-3.2	Amps
Input Frequency	50-60	Hz
Rated Output Power	573	Watts

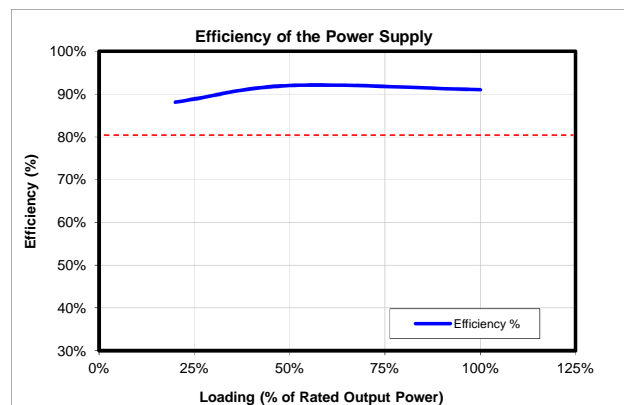
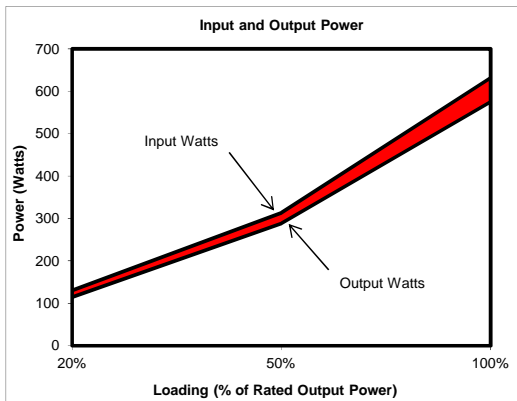
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 7.08%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)			Output Watts	Efficiency %
							12V	5.1V	3.36Vsb		
0.51	0.63	12.45	10%	Low	74	8.64	12.03/3.65	5.11/2.73	3.37/0.04	58	77.99%
0.70	0.81	14.66	20%	Light	131	8.64	12.03/7.25	5.1/5.44	3.36/0.08	115	88.10%
1.43	0.95	7.08	50%	Typical	314	8.64	12.03/18.17	5.1/13.62	3.35/0.2	289	92.00%
2.81	0.98	8.16	100%	Full	632	8.64	12.03/36.23	5.07/27.24	3.34/0.41	575	91.03%

\* Fan power is not included in the efficiency calculations



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/>

