

# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.89%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>93.46%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1380
<b>Manufacturer</b>	Delta Electronic (Thailand) Public Co.,Ltd.
<b>Model Number</b>	PS-B-AC/HV-6000
<b>Serial Number</b>	N/A
<b>Year</b>	2018
<b>Type</b>	1U
<b>Test Date</b>	03/15/18

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	16-14	Amps
Input Frequency	50/60	Hz
Rated Output Power	6,000	Watts

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

## AC Input I

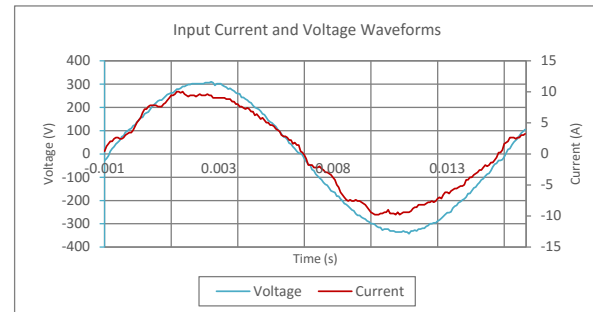
I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Fraction of Load	Input Watts
1.90	0.87	42.90%	10%	Low	381
3.01	0.98	15.42%	20%	Light	678
6.82	1.00	6.65%	50%	Typical	1563
13.58	1.00	4.66%	100%	Full	3119

## AC Input II

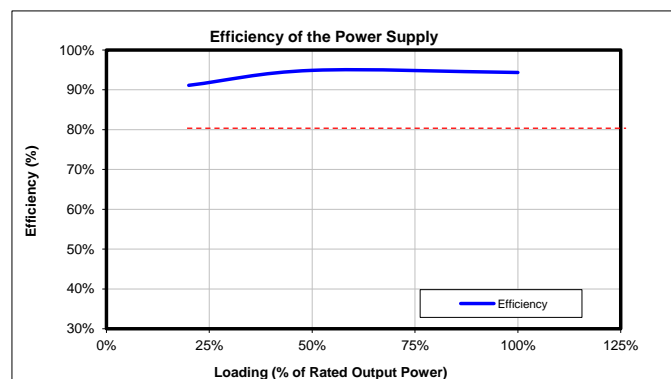
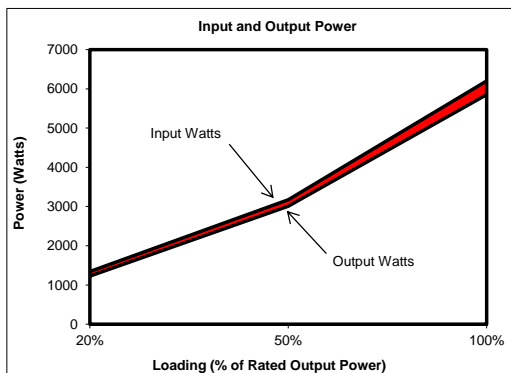
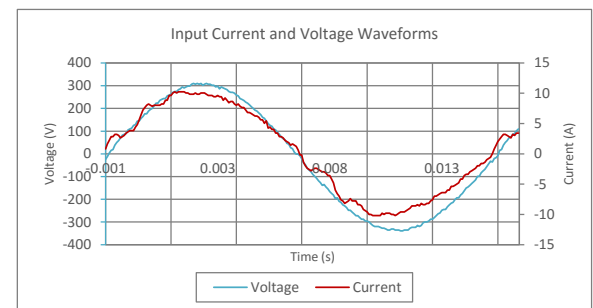
I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Fraction of Load	Input Watts	Total Input Watts
1.84	0.85	46.02%	10%	Low	362	743
2.99	0.97	20.32%	20%	Light	666	1344
7.00	1.00	7.33%	50%	Typical	1608	3171
13.40	1.00	4.69%	100%	Full	3083	6202

External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
	54V	5V		
5.76	55.24/11.13	5.1/0.1	615	82.78%
5.64	54.97/22.26	5.08/0.2	1225	91.14%
5.64	54.03/55.65	5.02/0.49	3009	94.89%
26.28	52.55/111.28	4.93/0.98	5852	94.36%

\* Fan power is not included in the efficiency calculations



Input AC Current Waveform (I<sub>THD</sub> = 6.65%, 50% Load)



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/>

