

80 PLUS Verification and Testing Report

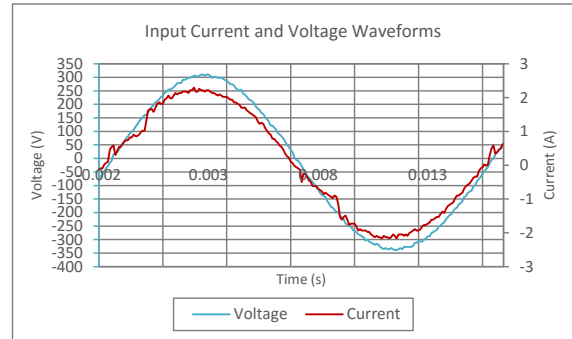
TYPICAL EFFICIENCY (50% Load):	93.06%
AVERAGE EFFICIENCY :	91.53%
80 PLUS COMPLIANT:	YES



ID Number	SO-1261
Manufacturer	Delta Electronics (Dongguan) Co., Ltd.
Model Number	DPS-650AB-21 X
Serial Number	N/A
Year	2017
Type	1U
Test Date	04/21/17

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	8 / 4	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

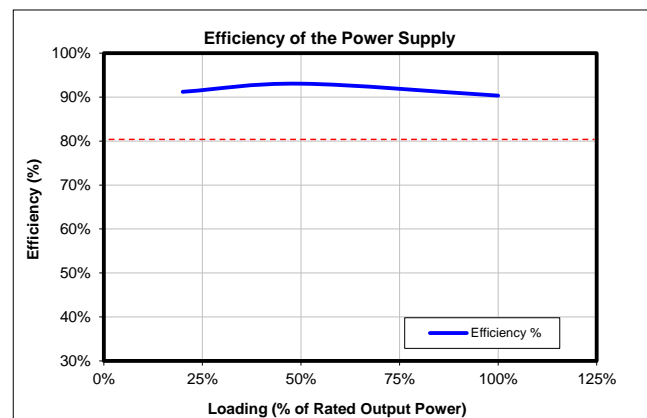
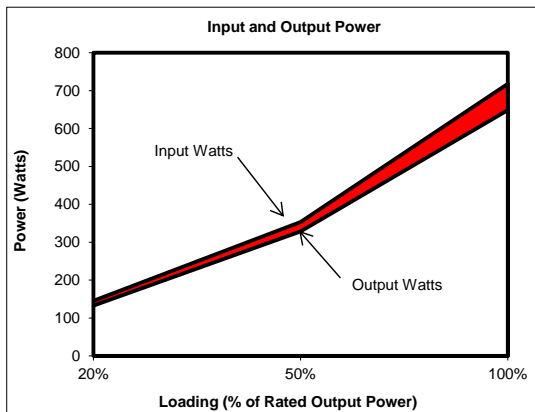
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.96%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	12Vsb		
0.38	0.90	32.31	10%	Low	79	0.96	12.24/5.23	12.11/0.2	66	84.09%
0.66	0.96	17.63	20%	Light	145	0.96	12.2/10.48	12.08/0.39	133	91.21%
1.55	0.99	4.96	50%	Typical	353	2.52	12.11/26.18	11.99/0.97	329	93.06%
3.13	1.00	2.99	100%	Full	718	5.28	11.95/52.36	11.84/1.95	649	90.34%

* 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/>

