

80 PLUS Verification and Testing Report

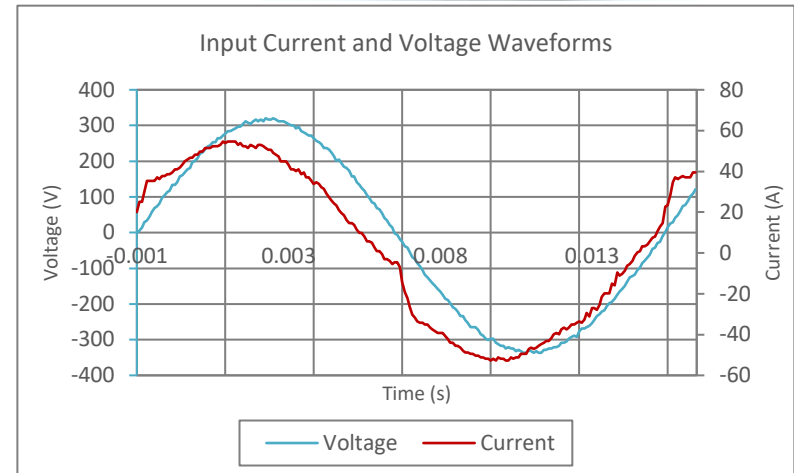
TYPICAL EFFICIENCY (50% Load):	94.39%
AVERAGE EFFICIENCY :	92.98%
80 PLUS COMPLIANT:	YES



ID Number	SO-1704
Manufacturer	Delta Electronics (Thailand) Public Co., Ltd.
Model Number	TDPS-1650CB A
Serial Number	GGTT20140071
Year	2020
Type	2U
Test Date	05/29/20

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	15/10	Amps
Input Frequency	50/60	Hz
Rated Output Power	1,650	Watts

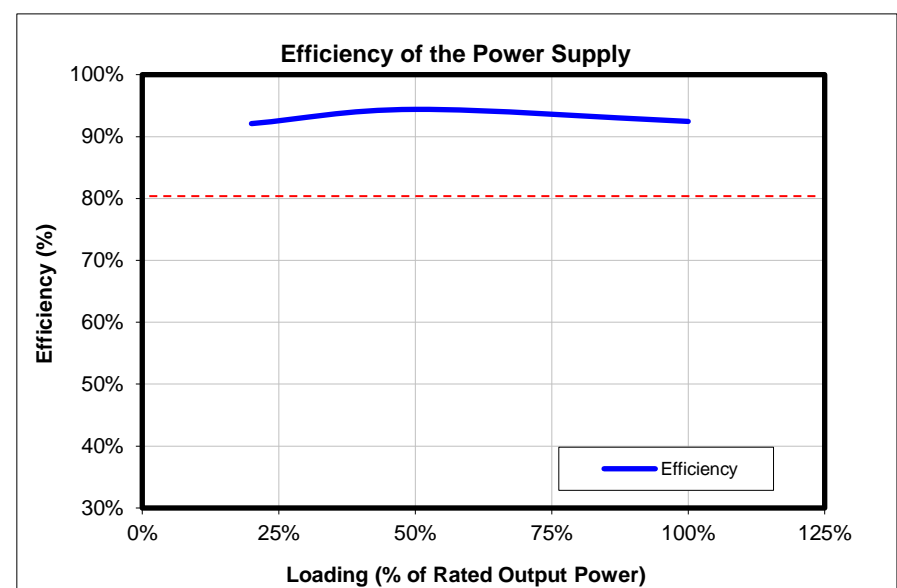
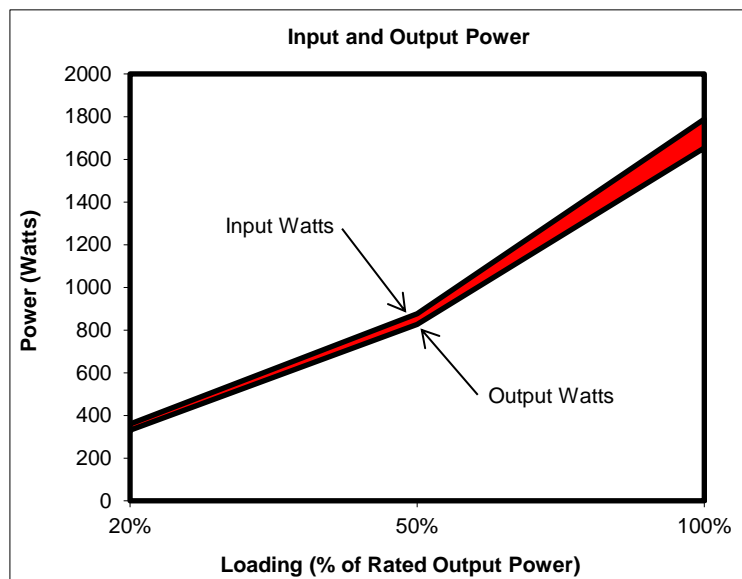
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 8.25%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)			Output Watts	Efficiency
							12.1V	5.1V	5Vsb		
0.99	0.84	14.82%	10%	Low	190	88.44	12.1/10.62	5.11/7.05	5.02/0.2	166	87.09%
1.69	0.92	13.60%	20%	Light	360	88.08	12.1/21.25	5.1/14.11	5.02/0.39	331	92.09%
3.89	0.98	8.25%	50%	Typical	876	87.84	12.1/53.12	5.1/35.24	5.01/0.98	827	94.39%
7.82	0.99	4.72%	100%	Full	1788	88.08	12.1/106.24	5.09/70.28	4.99/1.96	1653	92.45%

* 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/>

