

80 PLUS Verification and Testing Report

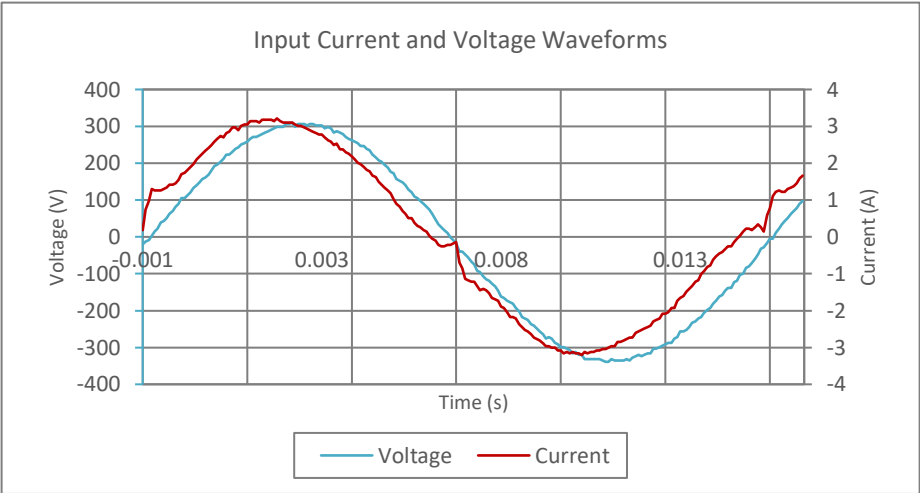
TYPICAL EFFICIENCY (50% Load):	93.51%
AVERAGE EFFICIENCY :	92.52%
80 PLUS COMPLIANT:	YES



ID Number	1454
Manufacturer	Delta Electronics (Thailand) PCL
Model Number	TDPS-900DB A
Serial Number	EETT18190407
Year	2018
Type	1U
Test Date	10/26/18

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	12/6	Amps
Input Frequency	50/60	Hz
Rated Output Power	900	Watts

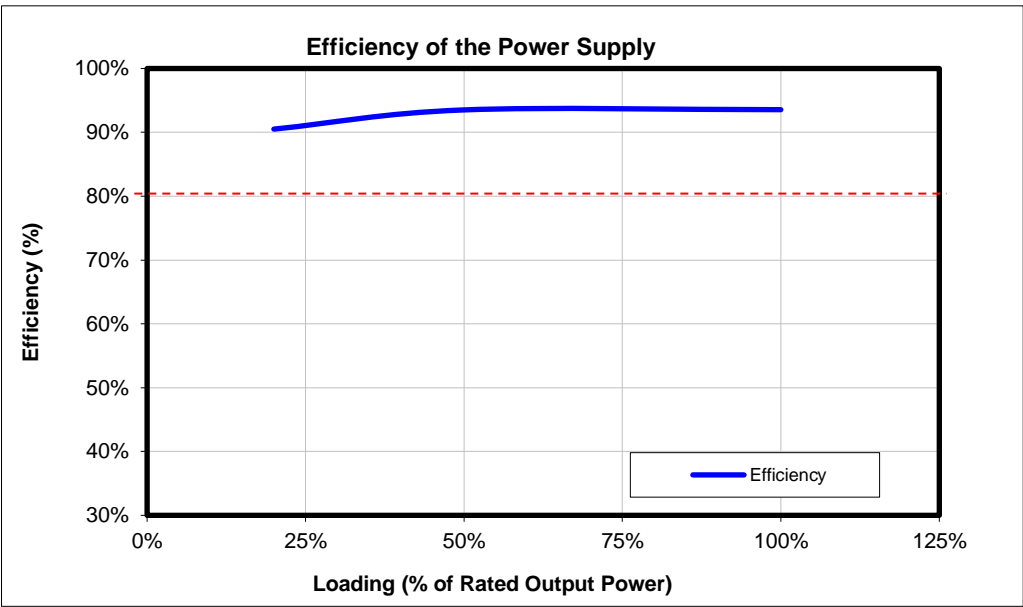
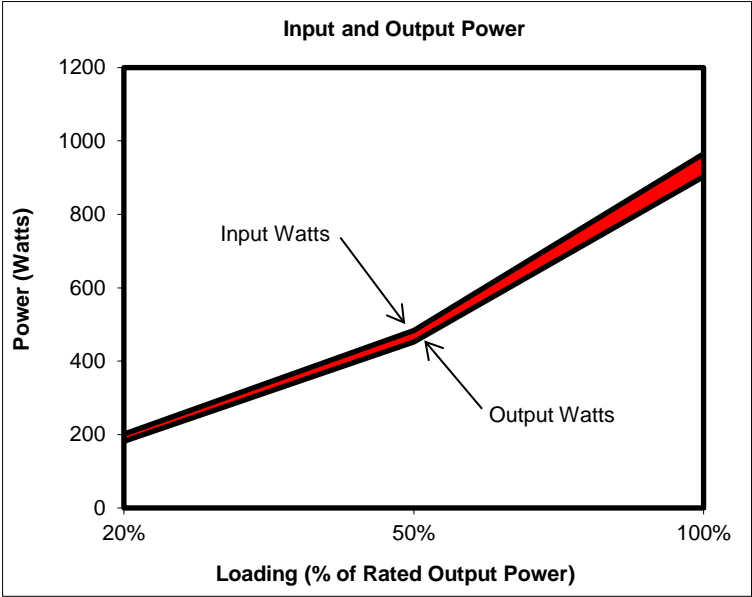
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 5.9%, 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
							12V1	12V2	5V1	5V2	5VSTB		
0.56	0.83	11.34%	10%	Low	107	102.84	12.09/3.19	12.07/3.2	5.02/1.28	5.01/1.27	5.04/0.19	91	85.37%
0.96	0.91	19.87%	20%	Light	201	102.36	12.08/6.38	12.06/6.4	5.01/2.56	5.01/2.55	5.03/0.37	182	90.51%
2.17	0.97	5.90%	50%	Typical	484	102.00	12.04/15.94	12.02/15.99	5/6.39	5/6.37	5.01/0.93	453	93.51%
4.24	0.99	3.85%	100%	Full	965	102.48	12.01/31.89	11.99/31.97	4.99/12.79	4.99/12.74	4.99/1.86	903	93.55%

* 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/>

