

80 PLUS Verification and Testing Report

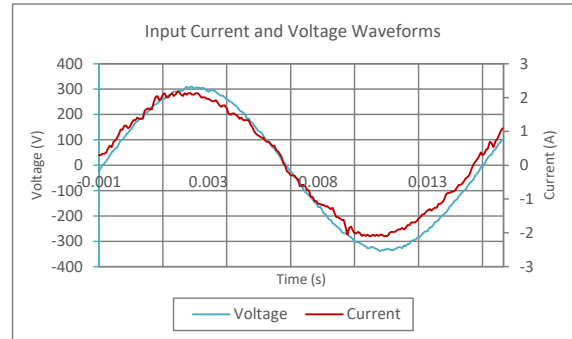
TYPICAL EFFICIENCY (50% Load):	95.41%
AVERAGE EFFICIENCY :	94.65%
80 PLUS COMPLIANT:	YES



ID Number	SO-1807
Manufacturer	Delta Electronics (Dongguan) Co., Ltd
Model Number	DPS-650AB-41 B
Serial Number	FQJ2M20R00K
Year	2020
Type	1U
Test Date	12/09/20

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	7.4/3.7	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

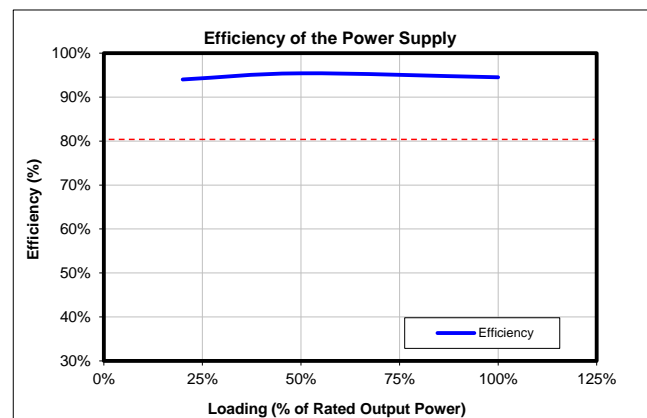
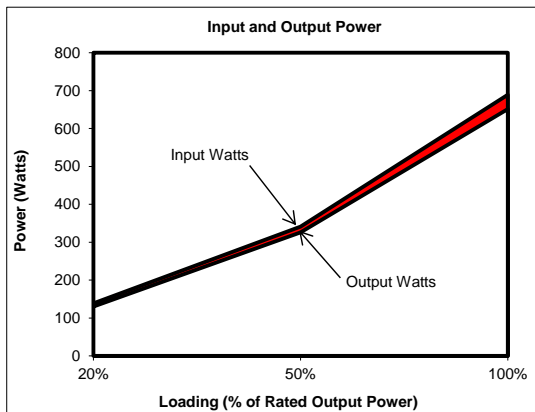
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 5.62%, 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
							12.2V	12Vsb		
0.34	0.92	11.09%	10%	Low	72	3.60	12.19/5.04	12.13/0.3	65	90.67%
0.62	0.97	8.56%	20%	Light	139	3.72	12.2/10.08	12.13/0.6	130	94.01%
1.50	0.99	5.62%	50%	Typical	341	4.56	12.2/25.21	12.07/1.51	326	95.41%
3.00	1.00	3.21%	100%	Full	689	10.32	12.2/50.42	11.93/3.02	651	94.51%

* 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/>

