

# 80 PLUS Verification and Testing Report

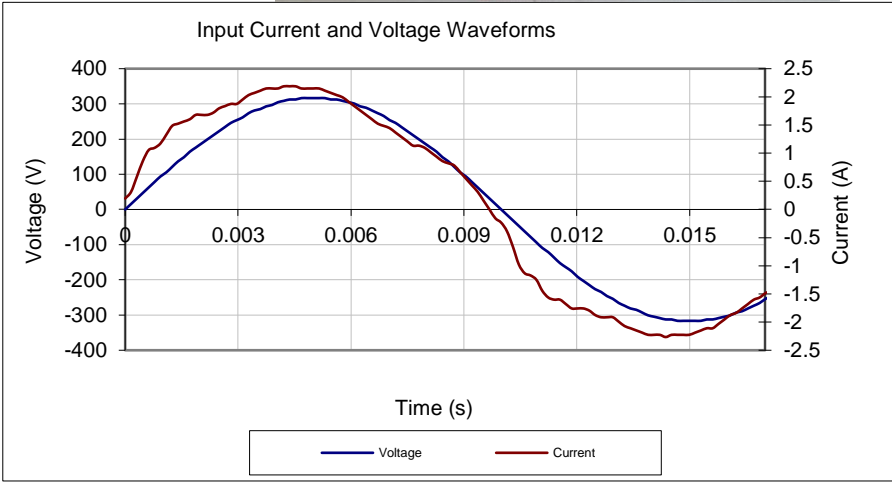
TYPICAL EFFICIENCY (50% Load):	87.17%
AVERAGE EFFICIENCY :	85.46%
80 PLUS COMPLIANT:	YES



ID Number	EU-274
Manufacturer	ITEK
Model Number	ITPSRBSM650
Serial Number	N/A
Year	2016
Type	ATX12V
Test Date	1/4/17

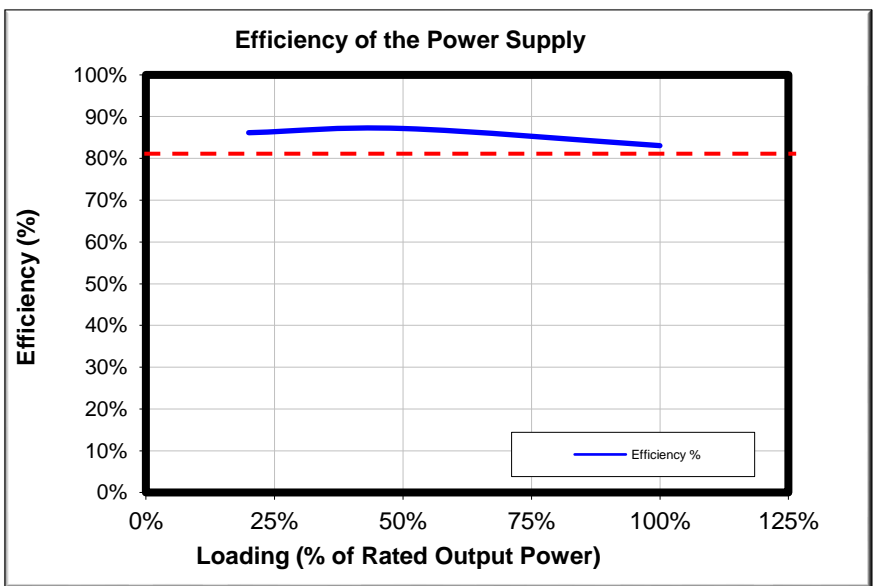
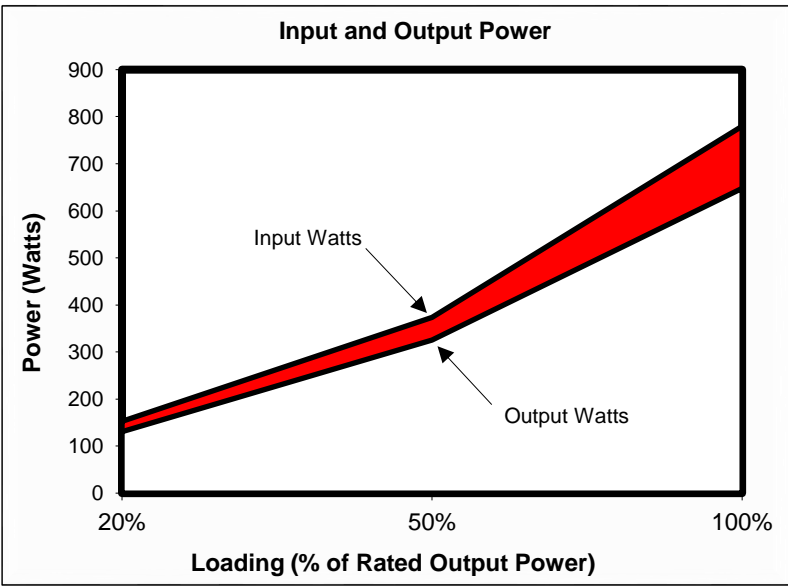
Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	6	Amps
Input Frequency	50	Hz
Rated Output Power	650	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 9.62%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %	
					12V (cumulative of 12V1, 12V2, etc.)		-12V	3.3V	5V			5Vsb
0.46	0.76	18.03%	10%	80.49	12.07/4.59		11.66/0.03	3.41/1.05	5.15/1.05	5.14/0.22	65.84	81.80%
0.74	0.89	17.43%	20%	152.11	12.04/9.15		11.91/0.05	3.4/2.1	5.14/2.09	5.13/0.45	131.05	86.15%
1.65	0.98	9.62%	50%	373.40	11.94/22.94		11.97/0.13	3.38/5.24	5.14/5.2	5.09/1.12	325.49	87.17%
3.41	0.99	7.00%	100%	779.80	11.9/45.82		12.05/0.26	3.32/10.46	5.12/10.4	5.02/2.24	647.72	83.06%



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/>

