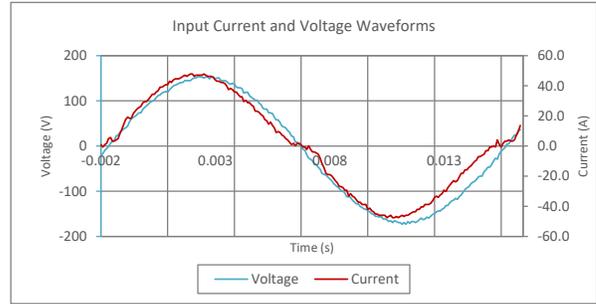


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.58%
AVERAGE EFFICIENCY :	89.26%
80 PLUS COMPLIANT:	YES



ID Number	6017
Manufacturer	Segotep Electroinc Technology Co., Ltd.
Model Number	SG-650G-SFX
Serial Number	N/A
Year	2020
Type	SFX
Test Date	7/15/20

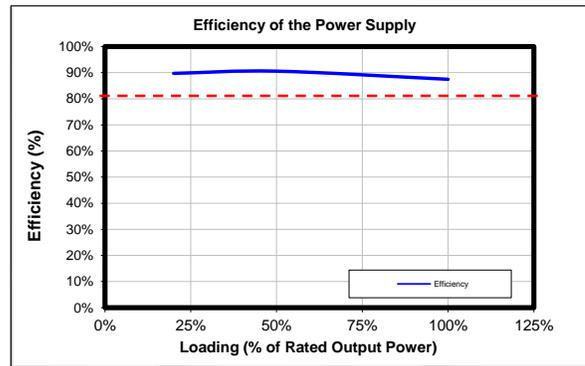
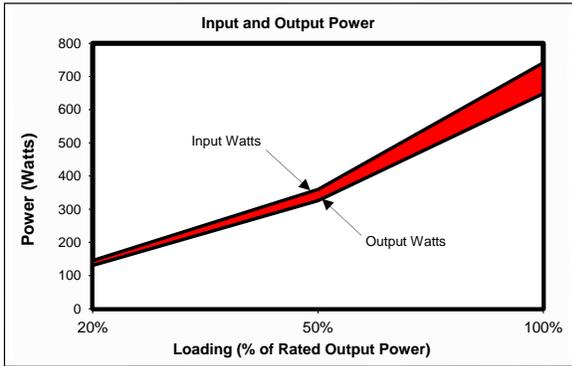


Input AC Current Waveform (I_{THD} = 9.63%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.

I _{RMS}	PF	I _{THD}	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
0.69	0.97	16.47%	10%	76.15	12.01/4.59		12.1/0.03	3.3/1.09	5.04/1.02	5.04/0.21	65.31	85.77%
1.30	0.97	13.98%	20%	145.44	12/9.19		12.11/0.05	3.3/2.19	5.03/2.04	5.03/0.42	130.49	89.72%
3.16	0.99	9.63%	50%	359.70	11.96/23		12.11/0.13	3.33/5.46	5.03/5.08	5.01/1.06	325.81	90.58%
6.50	0.99	9.13%	100%	741.40	11.89/45.93		12.11/0.25	3.43/10.94	5.1/10.14	5.03/2.12	648.47	87.47%



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/>

