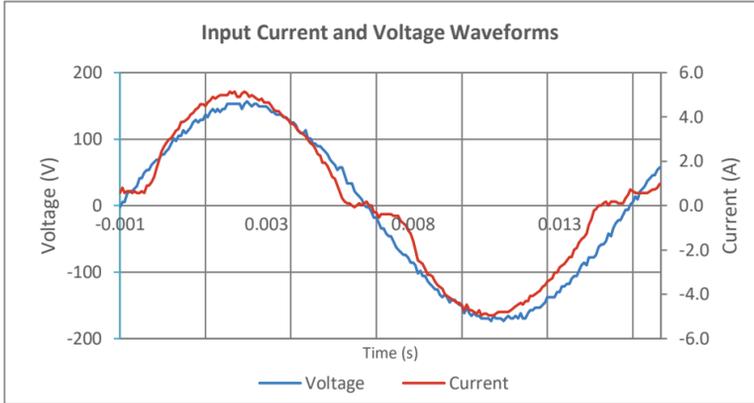


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	88.41%
AVERAGE EFFICIENCY :	85.41%
80 PLUS COMPLIANT:	Bronze



ID Number	6907.1
Manufacturer	Interwin Technology Co., LTD.
Model Number	IW-B650
Serial Number	N/A
Year	2022
Type	EPS12V
Test Date	11/3/22

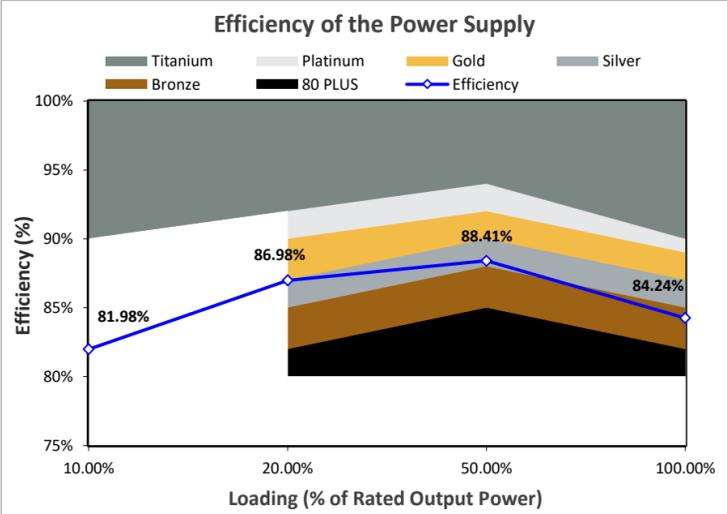
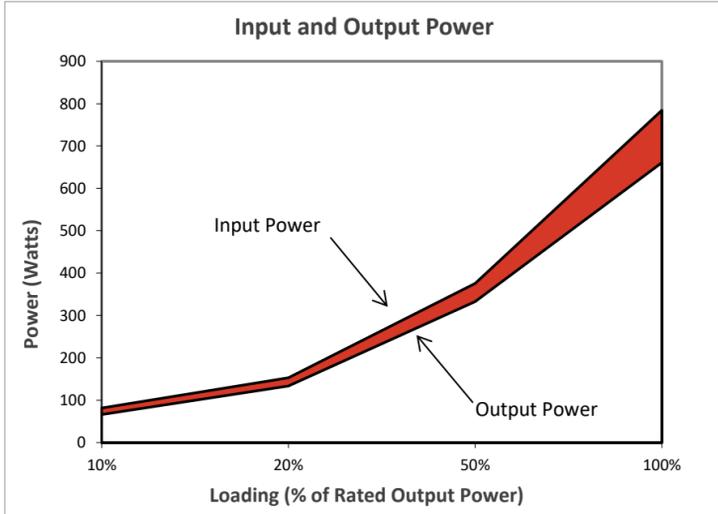


Input AC Current Waveform (ITHD = 15.84%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	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		
0.725	0.9727	13.65%	10%	81.10	12.25/4.48	11.46/0.02	3.41/1.2	5.17/1.2	5.11/0.21	66.49	81.98%
1.402	0.9516	29.63%	20%	153.40	12.25/9	11.46/0.05	3.4/2.4	5.16/2.39	5.11/0.41	133.43	86.98%
3.317	0.9853	15.84%	50%	376.10	12.25/22.46	11.52/0.12	3.36/6	5.12/5.93	5.09/1.04	332.52	88.41%
6.862	0.9938	9.90%	100%	784.30	12.26/44.7	11.63/0.25	3.3/12	5.06/11.87	5.08/2.07	660.72	84.24%



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/>