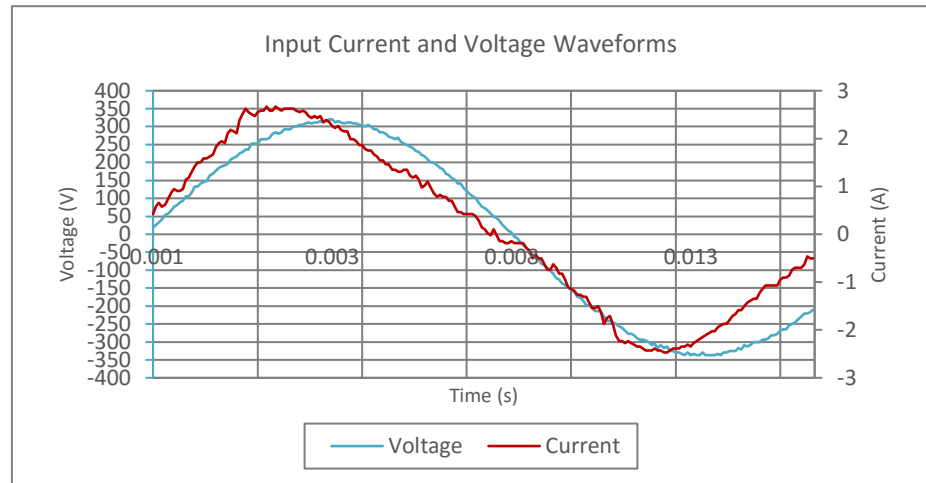


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	93.08%
AVERAGE EFFICIENCY :	91.89%
80 PLUS COMPLIANT:	YES



ID Number	EU-284
Manufacturer	SilentiumPC
Model Number	Enduro FM1 Gold 650W v2
Serial Number	NA
Year	2017
Type	ATX12V, ESP12V
Test Date	3/6/17

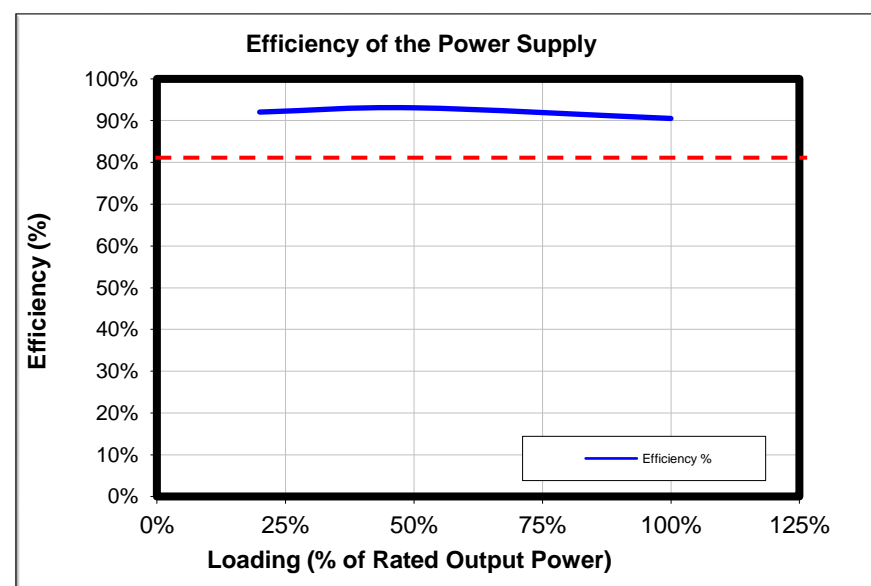
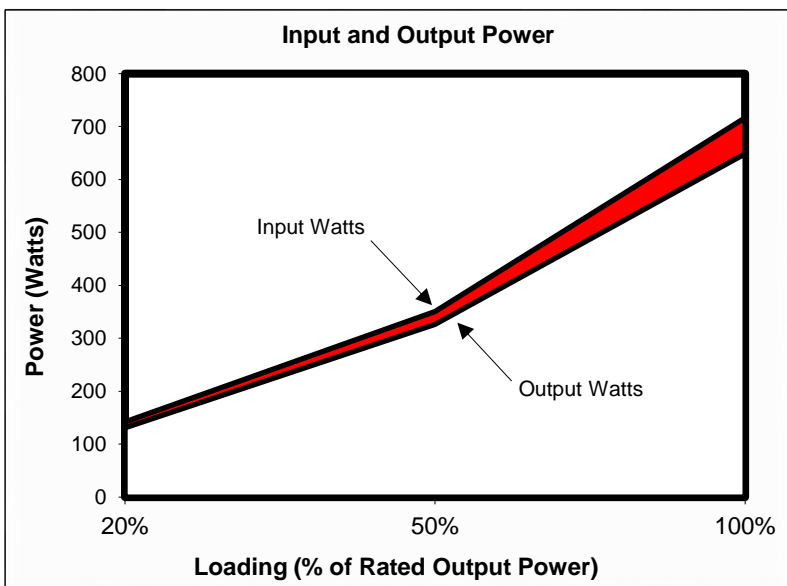


Input AC Current Waveform (ITHD = 14.89%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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

I _{RMS} A	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		
0.43	0.74	21.32%	10%	74.17	12.09/4.56	11.6/0.03	3.39/1.16	5.07/1.04	5.13/0.21	65.74	88.63%
0.73	0.84	19.04%	20%	142.53	12.07/9.13	11.57/0.05	3.38/2.31	5.06/2.07	5.11/0.43	131.21	92.06%
1.64	0.93	14.89%	50%	350.80	12.03/22.8	11.65/0.13	3.36/5.77	5.03/5.16	5.07/1.07	326.53	93.08%
3.23	0.96	10.75%	100%	716.60	11.96/45.6	11.93/0.26	3.32/11.53	4.97/10.32	5/2.15	648.69	90.52%



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/>

