

80 PLUS Verification and Testing Report

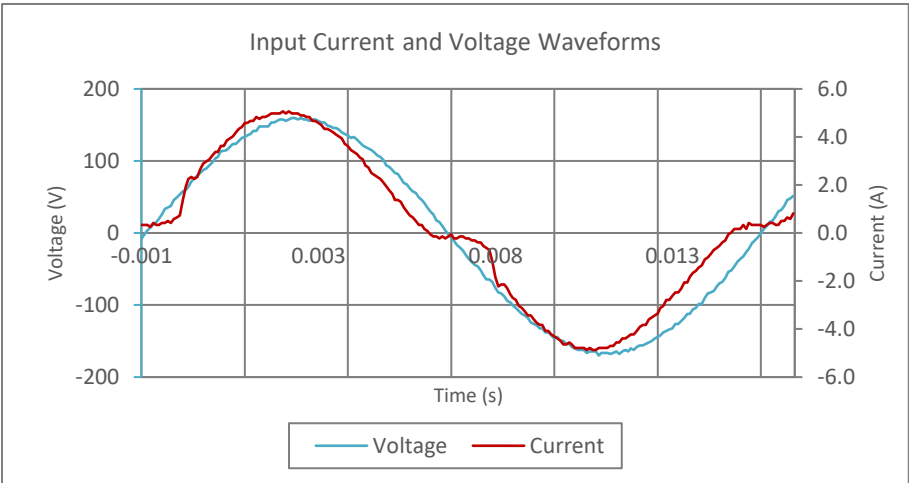
TYPICAL EFFICIENCY (50% Load):	91.17%
AVERAGE EFFICIENCY :	89.92%
80 PLUS COMPLIANT:	YES



ID Number	6502
Manufacturer	China Greatwall Technology Group Co., Ltd.
Model Number	E650pro
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	3/18/21

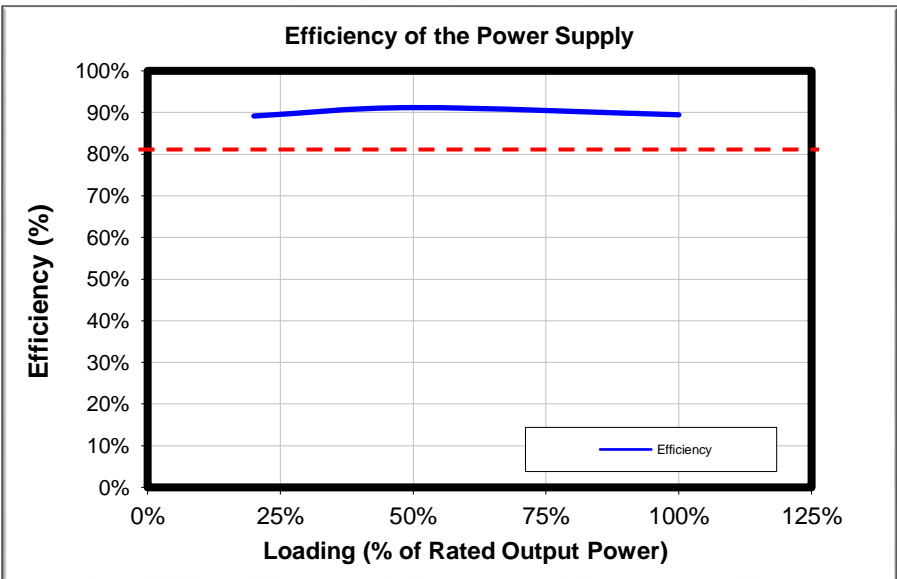
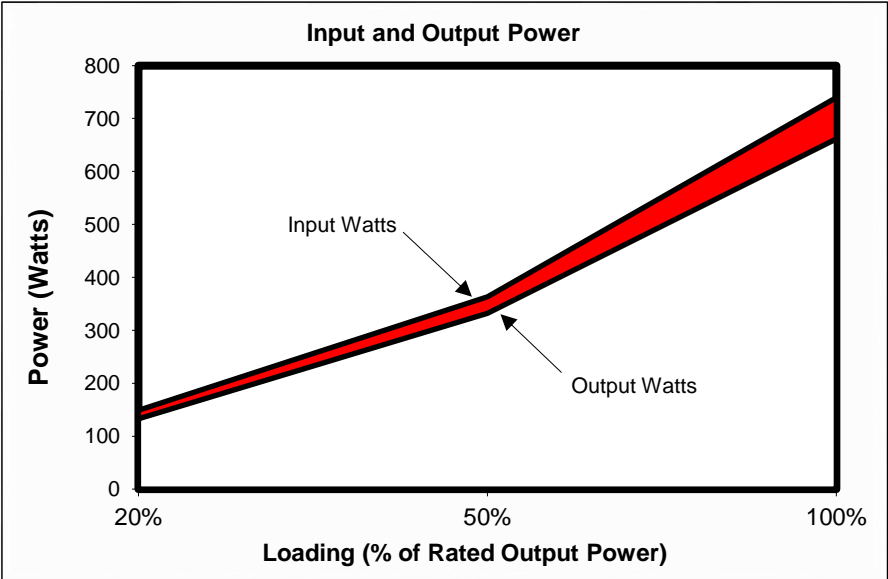
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 15.77%, 50% Load)

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		
0.70	0.97	21.48%	10%	78.20	12.23/4.39	11.98/0.07	3.36/1.24	5.11/1.24	5.11/0.26	66.36	84.86%
1.34	0.96	22.41%	20%	148.91	12.23/8.79	12/0.14	3.37/2.48	5.1/2.47	5.1/0.52	132.75	89.15%
3.22	0.98	15.77%	50%	363.70	12.21/22	12.01/0.34	3.36/6.21	5.11/6.16	5.05/1.29	331.60	91.17%
6.49	0.99	10.69%	100%	739.70	12.18/44.01	12.03/0.69	3.35/12.44	5.11/12.3	4.97/2.58	661.62	89.44%



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/>