

80 PLUS Verification and Testing Report

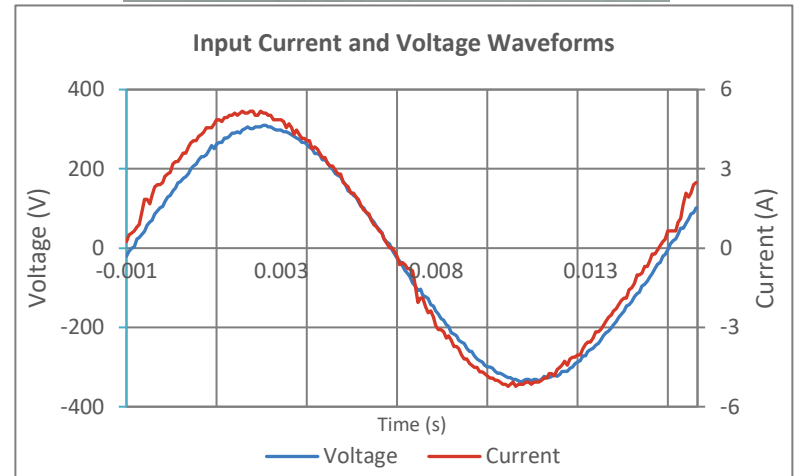
TYPICAL EFFICIENCY (50% Load):	96.31%
AVERAGE EFFICIENCY :	95.50%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2069
Manufacturer	CHINA GREATWALL TECHNOLOGY GROUP CO., LTD.
Model Number	CRPS1600C2
Serial Number	N/A
Year	2022
Type	CUSTOM
Test Date	07/07/22

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	12 / 9.5	Amps
Input Frequency	60/50	Hz
Rated Output Power	1,600	Watts

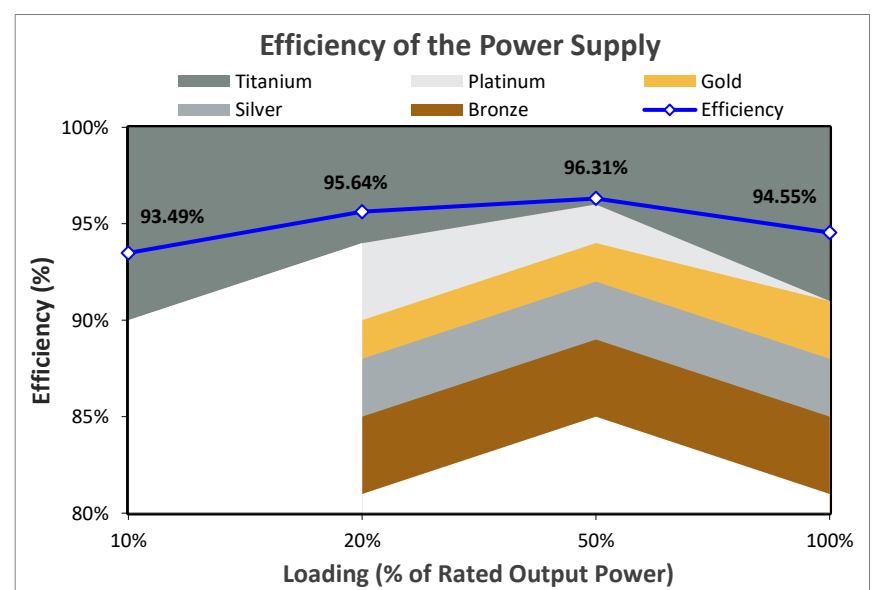
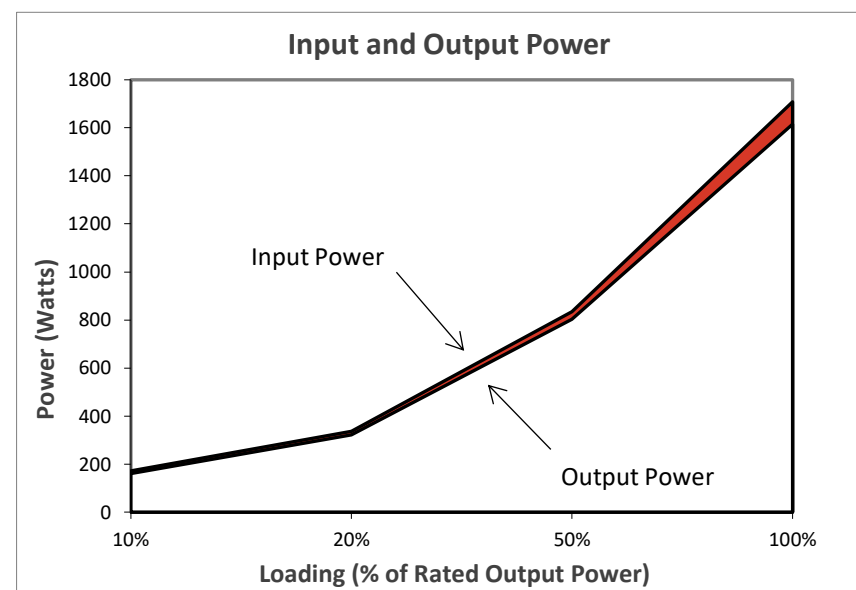
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.136%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12.2V	12Vsb		
0.798	0.9349	7.90%	10%	Low	171.69	17.93	12.2/12.86	12.16/0.29	160.51	93.49%
1.498	0.9748	6.59%	20%	Light	335.93	18.64	12.21/25.73	12.16/0.59	321.27	95.64%
3.638	0.9962	3.14%	50%	Typical	833.74	18.83	12.21/64.32	12.15/1.47	802.97	96.31%
7.431	0.9995	1.99%	100%	Full	1708.22	17.33	12.27/128.67	12.18/2.93	1615.10	94.55%

* Fan power is not included in the efficiency calculations



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/>