

80 PLUS Verification and Testing Report

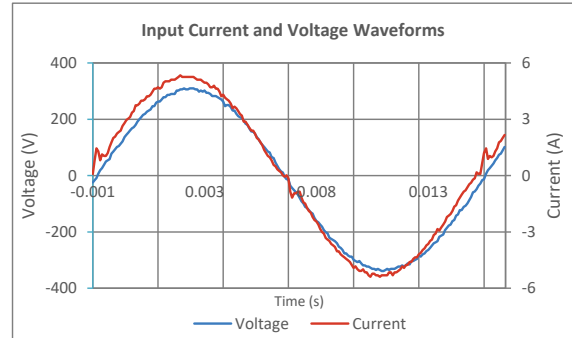
TYPICAL EFFICIENCY (50% Load):	94.62%
AVERAGE EFFICIENCY :	93.55%
80 PLUS COMPLIANT:	Platinum



ID Number	SO-2070
Manufacturer	CHINA GREATWALL TECHNOLOGY GROUP CO., LTD.
Model Number	PSR1600B-12A-B
Serial Number	N/A
Year	2022
Type	Other
Test Date	07/08/22

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	60/50	Hz
Rated Output Power	1,600	Watts

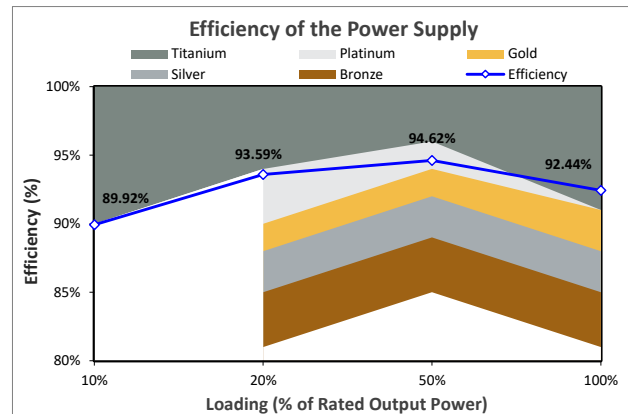
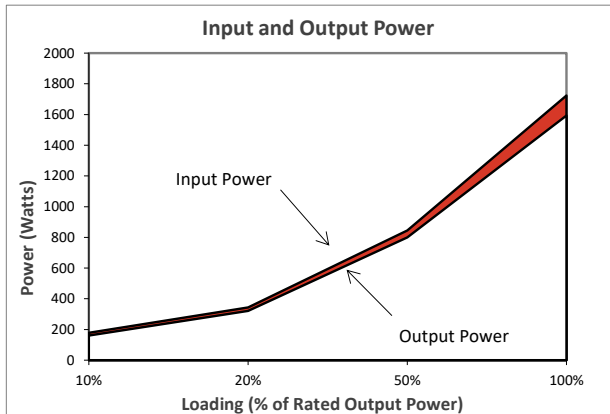
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.568%, 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
							12V	12Vsb		
0.841	0.9215	8.84%	10%	Low	178.26	20.74	12.02/13.13	11.89/0.2	160.30	89.92%
1.528	0.9752	7.58%	20%	Light	342.83	20.68	12.02/26.29	11.89/0.4	320.87	93.59%
3.686	0.9965	3.57%	50%	Typical	844.96	20.72	12/65.63	11.9/1.01	799.48	94.62%
7.509	0.9982	2.19%	100%	Full	1723.89	20.72	11.98/131.04	11.9/2	1593.49	92.44%

* 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/>