80 PLUS Verification and Testing Report

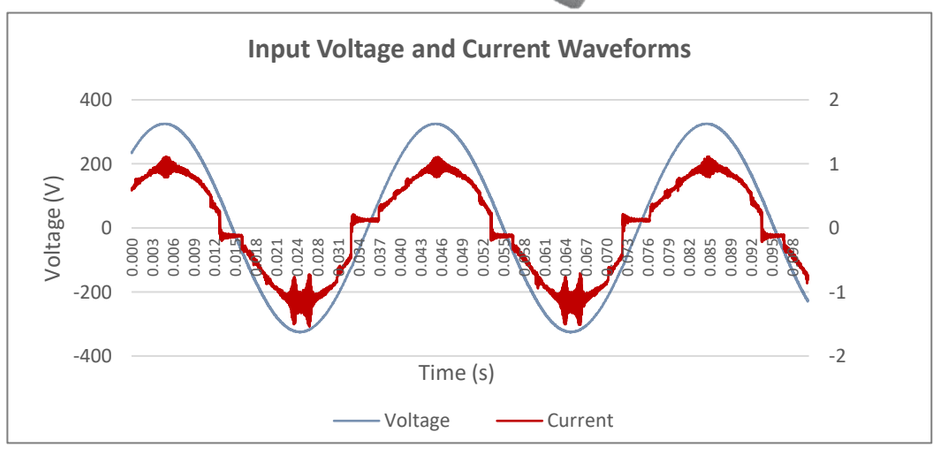
TYPICAL EFFICIENCY (50% Load):	**94.45%**
AVERAGE EFFICIENCY :	**90.95%**
80 PLUS COMPLIANT:	**Platinum**



ID Number	EU-1319
Manufacturer	Great Wall Power Supply Technology Co., Ltd.
Model Number	GW-TFX310PS
Serial Number	N/A
Type	ATX12V
Test Date	3/2/26

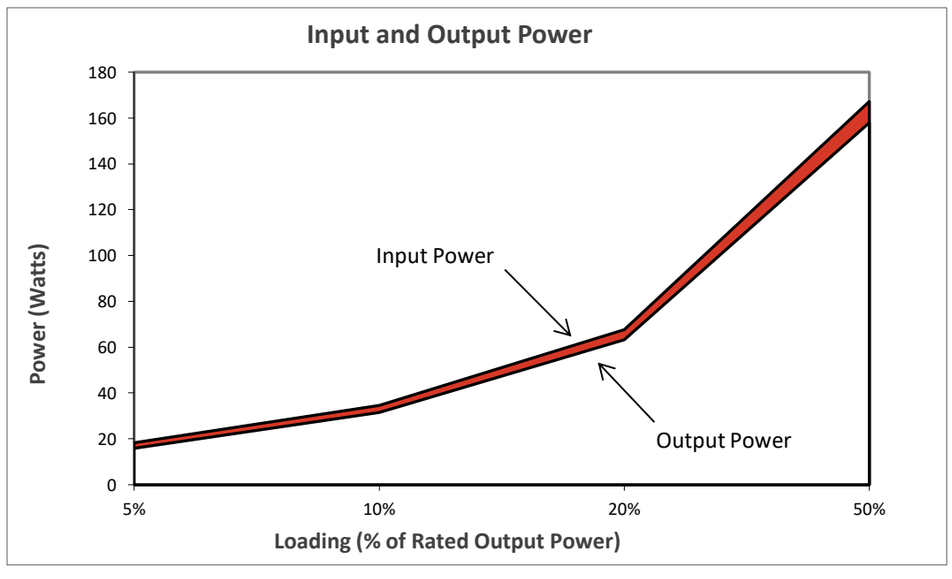
Rated Specifications	Value	Units
Input Voltage	200-240	**Volts**
Input Current	3	**Amps**
Input Frequency	50	**Hz**
Rated Output Power	310	**Watts**

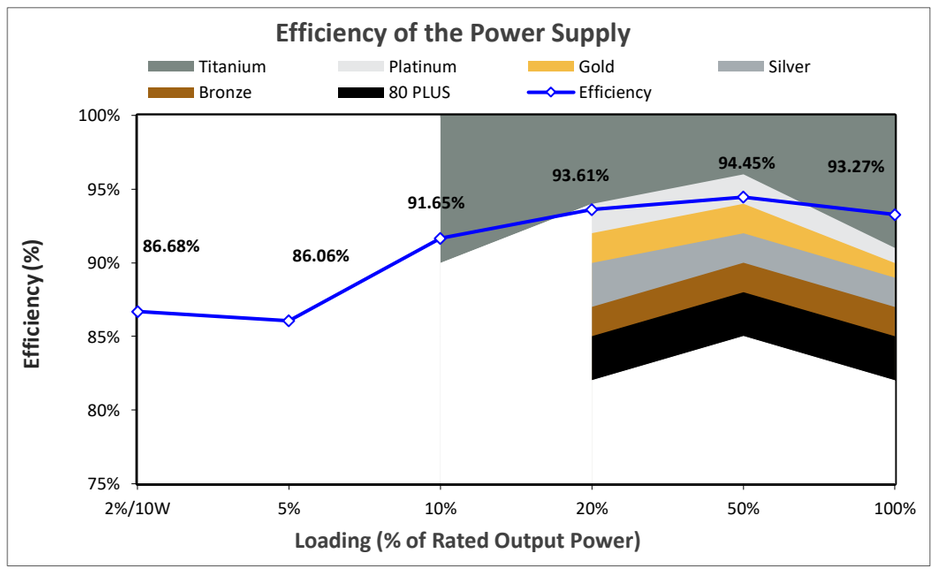
Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 15.33%, 50% Load)

I_{RMS} (A)	PF	I_{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A) 12V (cumulative of 12V1, 12V2, etc.)	Output Watts	Efficiency
0.089	0.0084	2.25	0%	**0.17**	**No-Load**		
0.134	**0.3748**	33.90	2%/10W	**11.58**	12.244/0.822	**10.04**	**86.68%**
0.158	**0.5073**	28.96	5%	**18.38**	12.243/1.294	**15.82**	**86.06%**
0.232	**0.6473**	27.00	10%	**34.50**	12.241/2.585	**31.62**	**91.65%**
0.319	**0.9221**	16.52	20%	**67.54**	12.238/5.168	**63.23**	**93.61%**
0.741	**0.9815**	15.33	50%	**167.20**	12.226/12.919	**157.92**	**94.45%**
1.486	**0.9892**	11.23	100%	**338.06**	12.207/25.835	**315.32**	**93.27%**





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/