

80 PLUS Verification and Testing Report

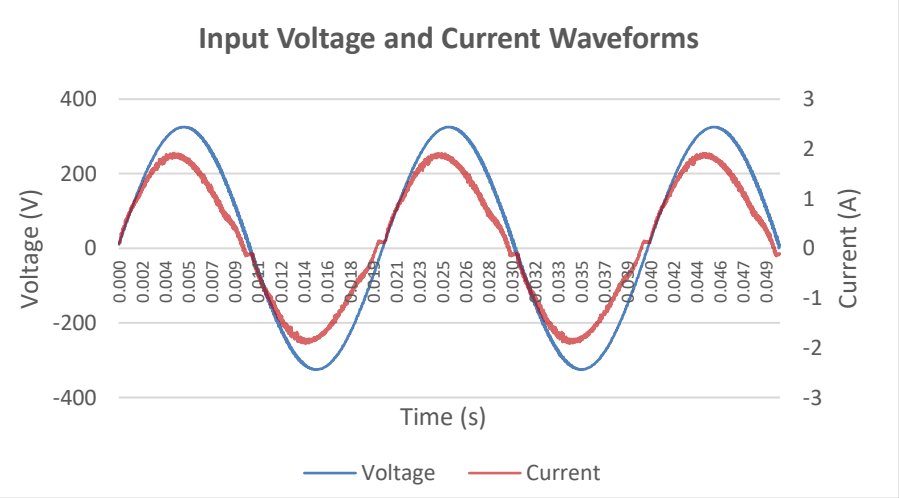
TYPICAL EFFICIENCY (50% Load):	87.33%
AVERAGE EFFICIENCY :	84.20%
80 PLUS COMPLIANT:	Standard



ID Number	EU-938
Manufacturer	Chang hu electronics co. LTD
Model Number	ST-500S
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	2/27/23

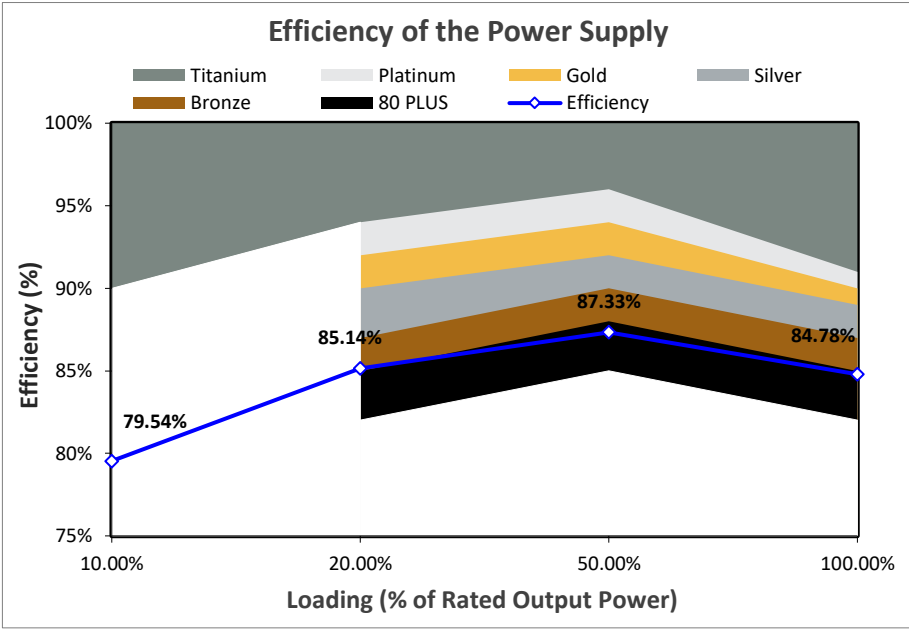
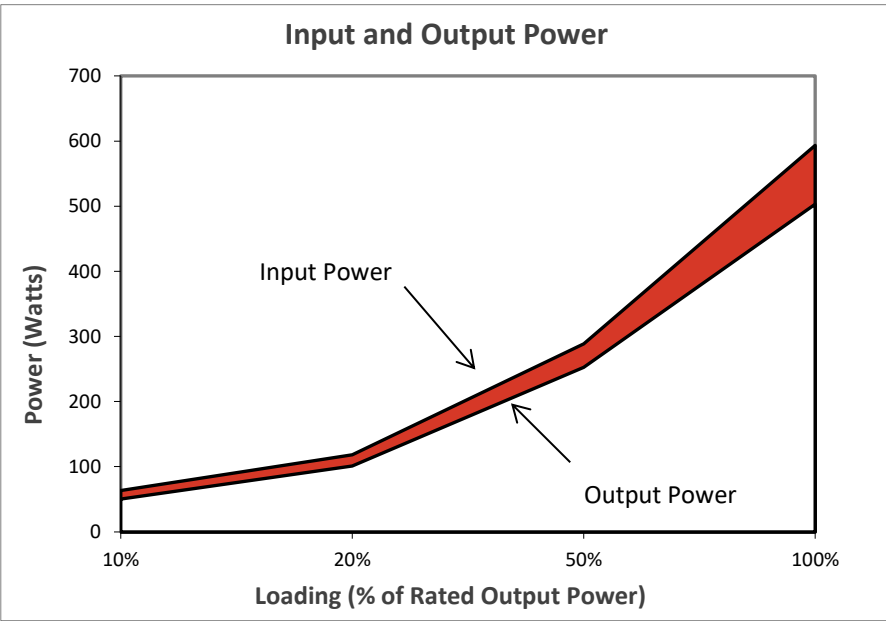
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 5.66%, 50% Load)

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		
0.421	0.6582	65.09	10%	63.73	12.04/3.37	12.01/0.03	3.37/1	5.14/1	5.05/0.25	50.69	79.54%
0.590	0.8737	40.86	20%	118.51	12.04/6.7	12.04/0.07	3.37/2	5.13/1.99	5.04/0.5	100.89	85.14%
1.274	0.9861	5.66	50%	289.02	12.04/16.81	12.12/0.15	3.36/4.98	5.11/4.94	5.03/1.24	252.39	87.33%
2.601	0.9919	6.93	100%	593.31	12.01/33.6	12.26/0.3	3.34/9.97	5.07/9.89	5/2.48	503.02	84.78%



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/>