

80 PLUS Verification and Testing Report

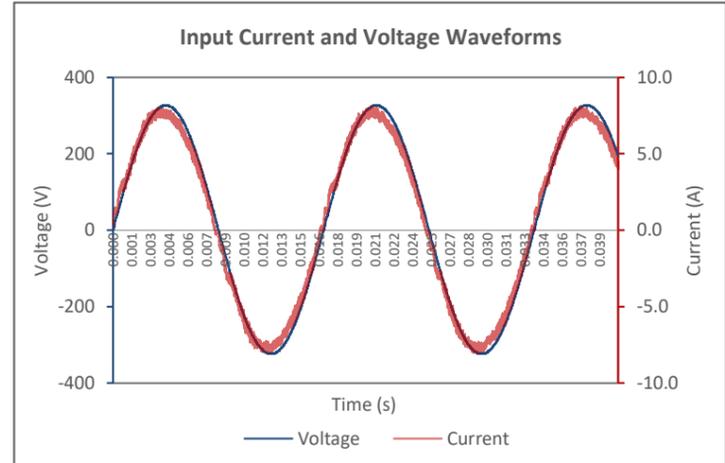
TYPICAL EFFICIENCY (50% Load):	95.33%
AVERAGE EFFICIENCY :	93.77%
80 PLUS COMPLIANT:	Platinum



ID Number	SO-2467
Manufacturer	Dongguan Aohai Technology Co.,Ltd.
Model Number	AH-CRPS2400A1X
Serial Number	CTAD2425000027
Type	1U
Test Date	07/01/24

Rated Specifications	Value	Units
Input Voltage	100-127/200-240	Volts
Input Current	15/15	Amps
Input Frequency	50/60	Hz
Rated Output Power	2,400	Watts

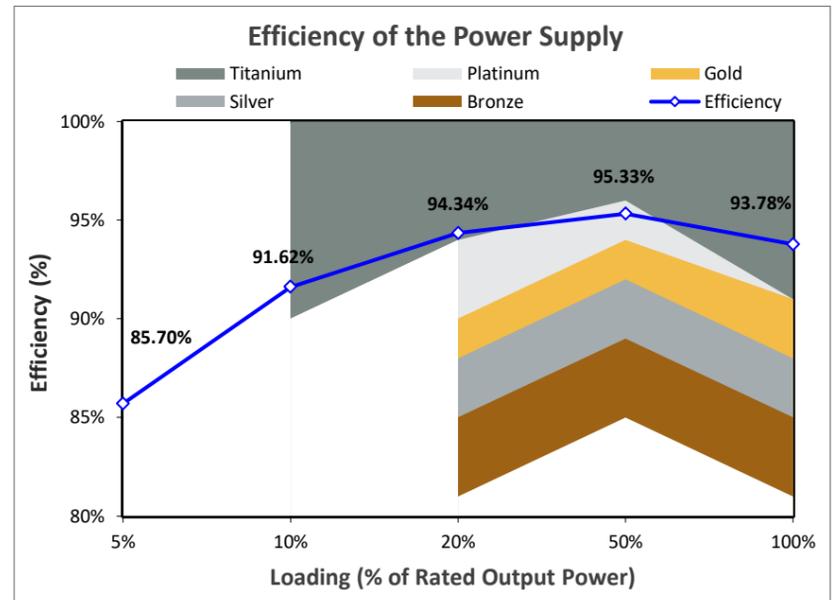
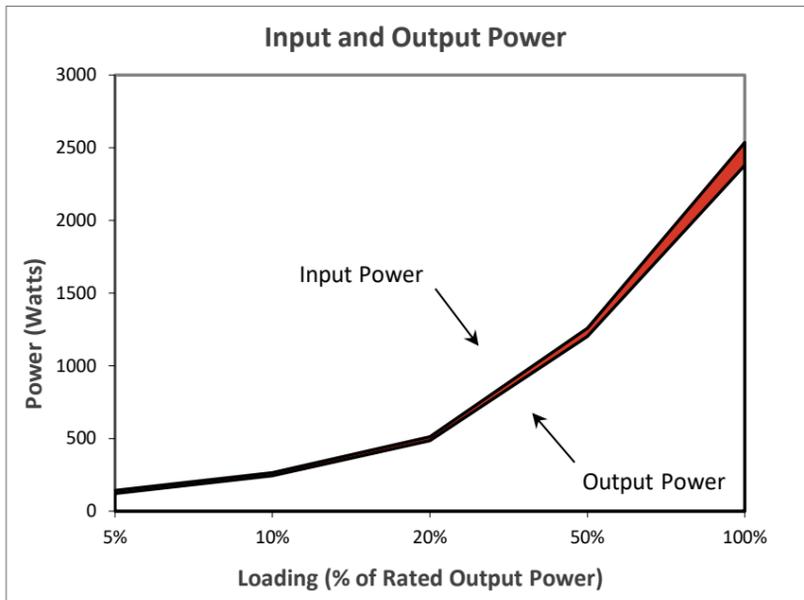
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 2.65%, 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	12Vs _b		
0.140	0.1052	17.840	0%	No-Load	3.38	0.71	No-Load			
0.693	0.8893	14.136	5%	Minimum	141.75	0.75	12.3/9.77	12.1/0.1	121.48	85.70%
1.191	0.9639	8.993	10%	Low	264.00	0.75	12.29/19.47	12.08/0.21	241.87	91.62%
2.255	0.9866	6.890	20%	Light	511.79	0.87	12.27/38.94	12.05/0.42	482.84	94.34%
5.495	0.9964	2.654	50%	Typical	1259.55	1.56	12.2/97.37	12.01/1.04	1200.66	95.33%
11.036	0.9994	2.493	100%	Full	2536.31	18.05	12.09/194.71	11.89/2.07	2378.66	93.78%

* Fan power is not included in the efficiency calculations, external fan voltage applied = 12Vdc



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/>