

## 80 PLUS Verification and Testing Report

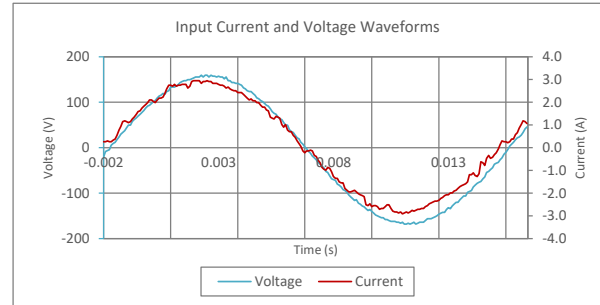
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>91.57%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>90.71%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	6122
<b>Manufacturer</b>	ASIAN POWER DEVICES INC.
<b>Model Number</b>	NW-430B01
<b>Serial Number</b>	Y0820NFH019298
<b>Year</b>	2020
<b>Type</b>	OTHER
<b>Test Date</b>	10/20/20

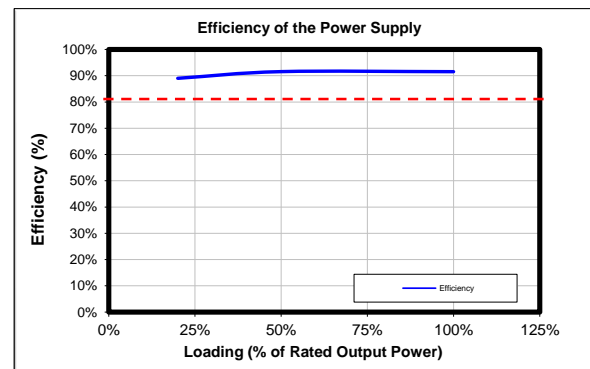
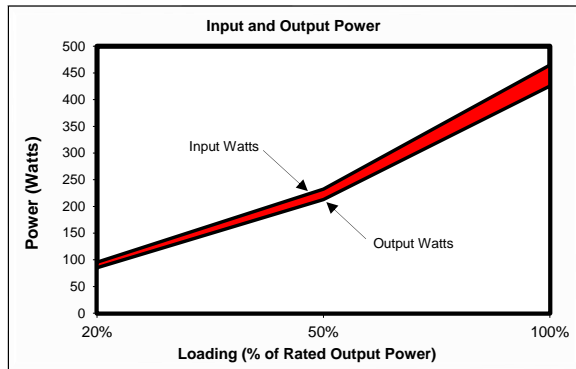
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>430</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (I<sub>THD</sub> = 4.03%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
					56V (cumulative of 56V1, 56V2, etc.)	12V		
0.46	0.95	7.32%	10%	49.75	55.31/0.68	12.05/0.45	43.07	86.57%
0.84	0.98	5.68%	20%	95.43	55.3/1.34	12.04/0.89	84.95	89.02%
2.03	1.00	4.03%	50%	232.50	55.25/3.37	12.01/2.22	212.90	91.57%
4.04	1.00	2.83%	100%	464.70	55.17/6.75	11.97/4.41	425.38	91.54%



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/>

