

80 PLUS Verification and Testing Report

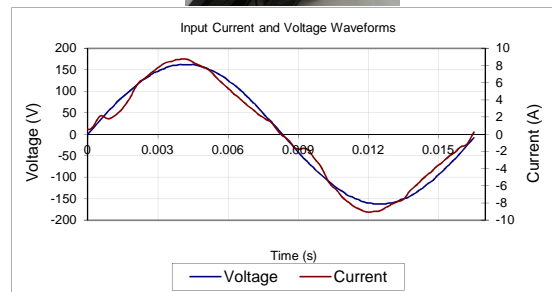
TYPICAL EFFICIENCY (50% Load):	94.05%
AVERAGE EFFICIENCY :	93.18%
80 PLUS COMPLIANT:	YES



Ecos ID #	4220
Manufacturer	Channel Well
Model Number	CST-1250
Serial Number	N/A
Year	2015
Type	ATX12V
Test Date	2/4/15

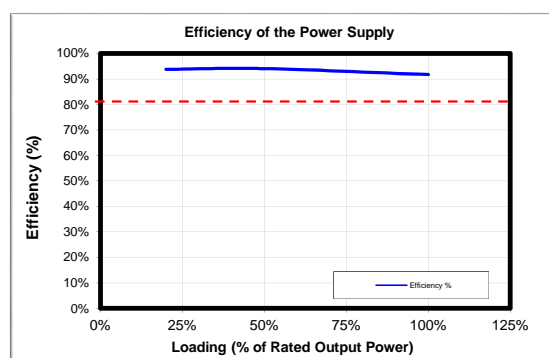
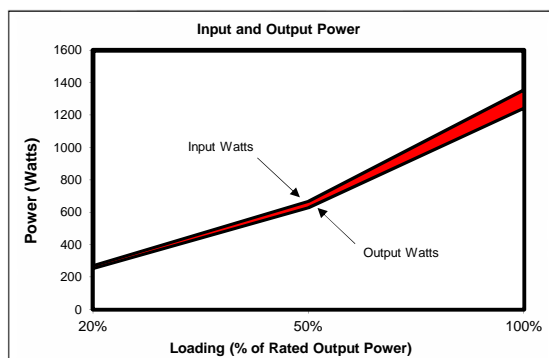
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	14	Amps
Input Frequency	47-63	Hz
Rated Output Power	1250	Watts

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



Input AC Current Waveform (ITHD = 12.76%, 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		
1.20	0.99	9.54%	10%	136.43	11.94/9.52	12.1/0.03	3.32/1.1	5.05/1.1	5.05/0.27	124.59	91.32%
2.37	0.99	14.47%	20%	268.70	12.03/19.14	12.18/0.05	3.31/2.2	5.05/2.19	5.05/0.55	252.02	93.79%
5.85	0.99	12.76%	50%	666.40	12/47.69	12.29/0.14	3.29/5.51	5.05/5.47	5.05/1.37	626.75	94.05%
12.01	0.98	14.80%	100%	1354.10	11.95/94.9	12.7/0.27	3.26/10.99	5.04/10.93	5.04/2.74	1241.82	91.71%



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/>

