80 PLUS Verification and Testing Report

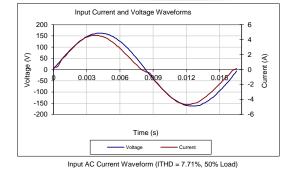
TYPICAL EFFICIENCY (50% Load): AVERAGE EFFICIENCY : 80 PLUS COMPLIANT:

92.00% 90.48% YES

STERN STORM

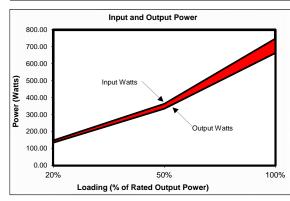
ID #	2800.1
Manufacturer	SHARKOON Technologies GmbH
Model Number	SilentStorm Cool Zero 650
Serial Number	N/A
Year	2011
Туре	ATX12V
Test Date	10/5/2011

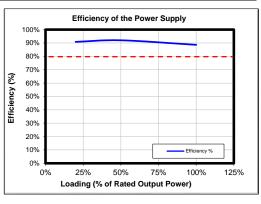
Rated Specifications	Value	Units	
Input Voltage	100-240	Volts	
Input Current	4.4	Amps	
Input Frequency	50-60	Hz	
Rated Output Power	650	Watts	



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

I _{RMS}	PF	I _{THD} (%)	Load	Fraction	Input	DC Terminal Voltage (V)/ DC Load Current (A)					Output	Efficiency
Α			(%)	of Load	Watts	12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb	Watts	%
1.31	0.98	13.18%	20%	Light	147.42	12.4/8.9	11.8/0.1	3.3/2.4	5.1/2.4	5.2/0.5	133.90	90.83%
3.18	0.99	7.71%	50%	Typical	363.40	12.3/22.3	11.8/0.2	3.3/5.9	5.1/6	5.1/1.2	334.32	92.00%
6.52	1.00	4.71%	100%	Full	747.90	12.2/44.6	12/0.4	3.3/11.8	5/11.9	5.1/2.5	662.70	88.61%







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/

