80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.72%
AVERAGE EFFICIENCY :	94.81%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2433
Manufacturer	Zippy Technology Corp.
Model Number	HSZRM-2AF0TM
Serial Number	20210401P600049
Туре	1U
Test Date	05/15/24

Rated Specifications	Value	Units				
Input Voltage	100-103/103-127/200-240	Volts				
Input Current	14/14.5/10.5	Amps				
Input Frequency	50-60	Hz				
Rated Output Power	1,600	Watts				
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.						



Input AC Current Waveform (ITHD = 5.88%, 50% Load)

	PF	I _{тно (%)}	Load	Fraction	Input	External	DC Terminal Voltage (V)/ DC Load Current (A)		Output	Efficiency
IRMS				of Load	Watts	Fan (W)*	12V	12Vsb	Watts	Efficiency
0.225	0.2891	63.921	0%	No-Load	14.93	20.41	No-Load			
0.527	0.7775	32.736	5%	Minimum	94.19	20.37	12.22/6.56	12.04/0.1	81.37	86.38%
0.863	0.8927	18.812	10%	Low	177.23	20.43	12.22/13.11	12.04/0.21	162.68	91.79%
1.547	0.9647	9.175	20%	Light	343.37	20.42	12.23/26.26	12.04/0.42	326.14	94.98%
3.696	0.9929	5.885	50%	Typical	844.04	20.31	12.26/65.56	12.03/1.04	816.32	96.72%
7.512	0.9937	4.462	100%	Full	1715.59	20.16	12.31/131.38	12.02/2.07	1642.48	95.74%

* Fan power is not included in the efficiency calculations, external fan voltage applied = 12.04Vdc







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/