

80 PLUS Verification and Testing Report

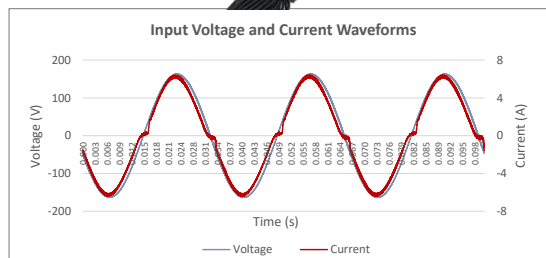
TYPICAL EFFICIENCY (50% Load):	89.34%
AVERAGE EFFICIENCY :	82.64%
AVERAGE STANDBY EFFICIENCY :	73.13%
80 PLUS COMPLIANT:	Bronze



ID Number	8100
Manufacturer	Montech
Model Number	BETA 2 850W
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	2/2/26

Rated	Value	Units
Input Voltage	100-240/200-240	Volts
Input Current	12/10	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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

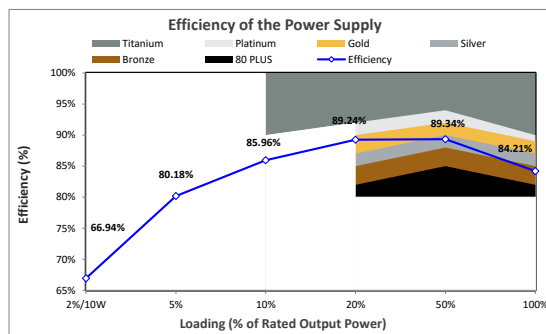
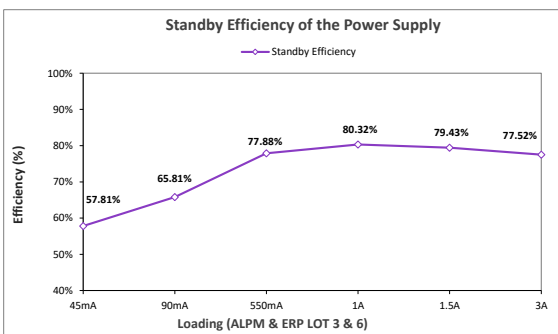


I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)						Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)		-12V	3.3V	5V	5VS8		
0.114	0.4003	30.35	0%	5.28	No-Load							
0.260	0.8561	39.28	2%/10W	25.62	12.076/1.270	12.025/0.005	3.390/0.173	5.152/0.173	5.137/0.054	17.15	66.94%	
0.503	0.9252	34.23	5%	53.44	12.073/3.174	12.031/0.013	3.386/0.432	5.145/0.432	5.132/0.135	42.85	80.18%	
0.906	0.9558	27.24	10%	99.64	12.068/6.347	12.032/0.027	3.389/0.864	5.141/0.864	5.125/0.269	85.65	85.96%	
1.708	0.9767	19.05	20%	191.84	12.057/12.694	12.038/0.054	3.390/1.727	5.151/1.729	5.109/0.538	171.19	89.24%	
4.174	0.9941	9.59	50%	477.43	12.022/31.732	12.067/0.135	3.368/4.319	5.125/4.321	5.061/1.345	426.53	89.34%	
8.766	0.9983	4.75	100%	1006.75	11.958/63.461	12.116/0.269	3.324/8.640	5.063/8.641	4.975/2.689	847.77	84.21%	

Note: Efficiency data was obtained from Sample 1 (Serial Number: N/A)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Standby Efficiency
					5VSB			
0.098	0.0071	4.63	0mA	0.08	Vampire Load			
0.099	0.0350	12.01	45mA	0.40	5.133/0.045		0.23	57.81%
0.101	0.0609	19.32	90mA	0.70	5.132/0.090		0.46	65.81%
0.124	0.2531	59.37	550mA	3.61	5.117/0.550		2.81	77.88%
0.161	0.3439	73.81	1A	6.35	5.102/1.000		5.10	80.32%
0.210	0.3957	79.60	1.5A	9.61	5.086/1.500		7.63	79.43%
0.374	0.4535	84.20	3A	19.50	5.035/3.002		15.11	77.52%

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: N/A)



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.

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