

# 80 PLUS Verification and Testing Report

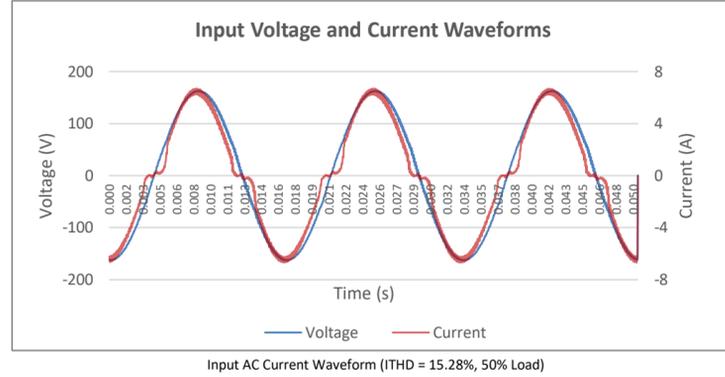


TYPICAL EFFICIENCY (50% Load):	89.07%
AVERAGE EFFICIENCY :	81.24%
AVERAGE STANDBY EFFICIENCY :	75.43%
80 PLUS COMPLIANT:	Bronze

ID Number	7716.1
Manufacturer	HIDITEC
Model Number	BZ850
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	1/21/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	10-4	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.

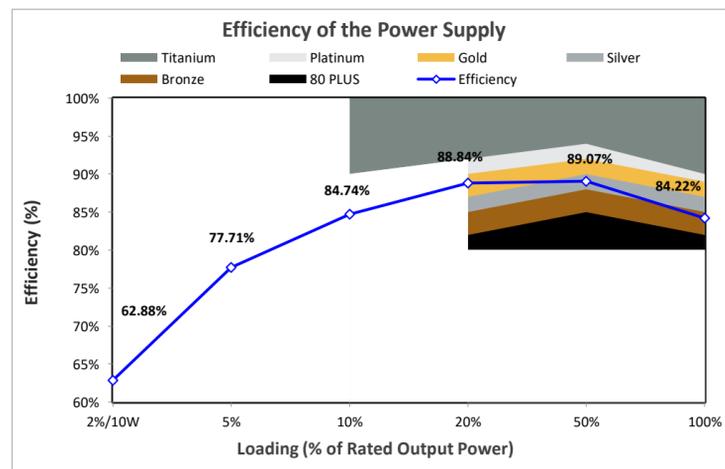
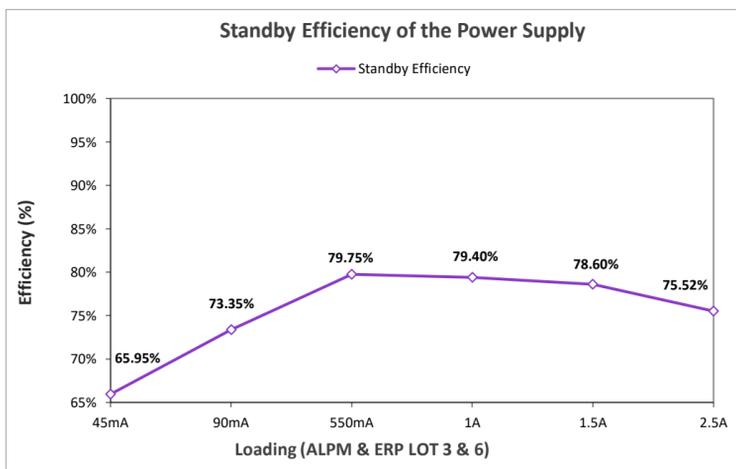


I <sub>RMS</sub> (A)	PF	I <sub>THD</sub> (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.350	0.1273	24.32	0%	9.22	No-Load						
0.300	<b>0.7988</b>	55.52	2%/10W	27.57	12.235/1.262	12.122/0.005	3.383/0.193	5.081/0.193	5.097/0.045	17.34	62.88%
0.523	<b>0.9264</b>	34.51	5%	55.72	12.215/3.151	12.441/0.013	3.358/0.482	5.142/0.482	5.111/0.111	43.30	77.71%
0.919	<b>0.9662</b>	23.31	10%	102.14	12.210/6.299	12.438/0.027	3.353/0.965	5.143/0.964	5.104/0.223	86.55	84.74%
1.759	<b>0.9623</b>	26.00	20%	194.58	12.199/12.597	12.261/0.053	3.338/1.929	5.122/1.929	5.091/0.445	172.88	88.84%
4.258	<b>0.9863</b>	15.28	50%	483.02	12.154/31.493	12.087/0.133	3.297/4.823	5.071/4.822	5.050/1.112	430.25	89.07%
8.892	<b>0.9924</b>	10.96	100%	1014.39	12.086/62.971	11.990/0.267	3.231/9.645	4.976/9.645	4.986/2.223	854.27	84.22%

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

I <sub>RMS</sub> (A)	PF	I <sub>THD</sub> (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Standby Efficiency
					5VSB	Vampire Load		
0.016	0.0390	13.46	0mA	0.07				
0.019	<b>0.1593</b>	54.40	45mA	0.35		5.117/0.045	0.23	65.95%
0.024	<b>0.2260</b>	70.69	90mA	0.63		5.098/0.090	0.46	73.35%
0.077	<b>0.3943</b>	89.82	550mA	3.51		5.085/0.550	2.80	79.75%
0.128	<b>0.4310</b>	89.47	1A	6.39		5.071/1.000	5.07	79.40%
0.185	<b>0.4479</b>	89.01	1.5A	9.65		5.055/1.500	7.58	78.60%
0.298	<b>0.4757</b>	87.68	2.5A	16.65		5.024/2.503	12.57	75.52%

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. <https://www.cleareresult.com/80plus/> [cleareresult.com]