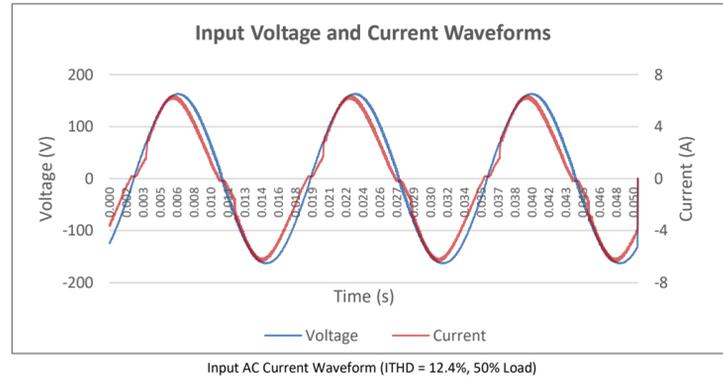


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	92.56%
AVERAGE EFFICIENCY :	86.25%
AVERAGE STANDBY EFFICIENCY :	81.94%
80 PLUS COMPLIANT:	Platinum



ID Number	7743
Manufacturer	Channel Well Technology Co.
Model Number	CTC850S-P
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	2/19/25



Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	10.0-5.0	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

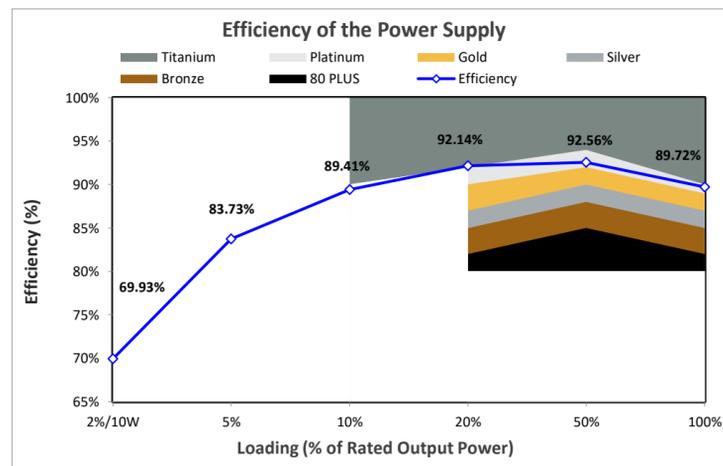
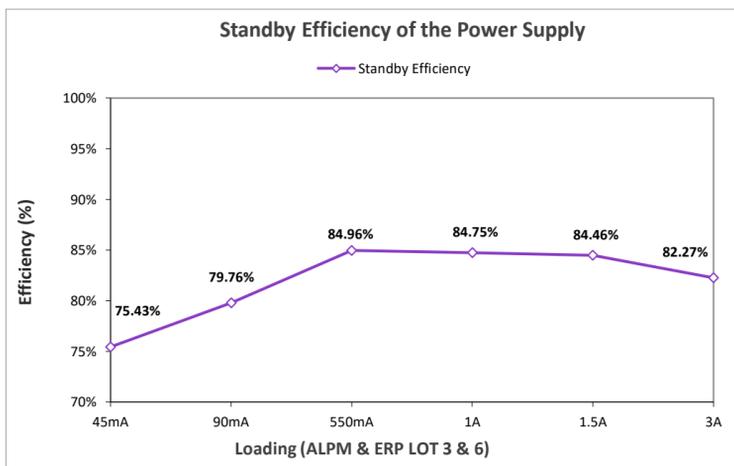
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.

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.)	3.3V	5V	5VSB		
0.127	0.4475	17.34	0%	6.55	No-Load					
0.254	<b>0.8406</b>	31.01	2%/10W	24.59	12.137/1.249	3.308/0.212	5.060/0.212	4.948/0.053	17.19	69.93%
0.480	<b>0.9291</b>	27.06	5%	51.31	12.137/3.121	3.308/0.531	5.060/0.531	4.944/0.132	42.96	83.73%
0.869	<b>0.9620</b>	22.44	10%	96.07	12.136/6.240	3.308/1.060	5.061/1.060	4.946/0.265	85.90	89.41%
1.655	<b>0.9797</b>	17.07	20%	186.45	12.134/12.480	3.308/2.121	5.062/2.121	4.941/0.529	171.80	92.14%
4.078	<b>0.9881</b>	12.40	50%	463.56	12.121/31.197	3.307/5.306	5.065/5.306	4.920/1.322	429.04	92.56%
8.350	<b>0.9943</b>	7.97	100%	954.38	12.094/62.394	3.304/10.613	5.067/10.614	4.893/2.643	856.26	89.72%

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		
0.105	0.0027	0.83	0mA	0.03				
0.106	<b>0.0243</b>	7.06	45mA	0.30	4.963/0.045		0.22	75.43%
0.107	<b>0.0455</b>	12.36	90mA	0.56	4.961/0.090		0.45	79.76%
0.124	<b>0.2251</b>	47.07	550mA	3.21	4.956/0.550		2.73	84.96%
0.152	<b>0.3335</b>	63.81	1A	5.85	4.954/1.000		4.96	84.75%
0.189	<b>0.4002</b>	72.58	1.5A	8.79	4.951/1.500		7.43	84.46%
0.315	<b>0.4882</b>	80.51	3A	18.08	4.954/3.003		14.88	82.27%

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.clearexult.com/80plus/> [clearexult.com]