80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	88.97%
AVERAGE EFFICIENCY :	82.67%
80 PLUS COMPLIANT:	Bronze



ID Number	EU-1010.1
Manufacturer	EVOLABS
Model Number	EVO80BS-650W
Serial Number	N/A
Year	2024
Туре	ATX12V, EPS12V
Test Date	1/25/24

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts



Note: All measurements were taken with input voltage at 230V nominal at 50 Hz.

I _{RMS (A)}	PF	I _{THD (%)}	Load	Input	DC Terminal Voltage (V)/ DC Load Current (A)				Output	Efficiency	
				Watts	12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vstb	Watts	Efficiency
0.178	0.3692	21.63	0%	15.15	No-Load						
0.291	0.6932	18.54	5%	46.47	12.15/2.3	12.27/0.013	3.39/0.51	5.11/0.51	5.05/0.106	32.97	70.96%
0.426	0.8335	17.25	10%	81.76	12.15/4.6	12.3/0.026	3.39/1.03	5.11/1.02	5.05/0.213	65.96	80.68%
0.724	0.9157	16.44	20%	152.59	12.15/9.19	12.32/0.051	3.38/2.05	5.1/2.05	5.03/0.425	131.82	86.39%
1.668	0.9643	12.90	50%	370.01	12.15/22.97	12.36/0.128	3.36/5.13	5.08/5.13	5/1.063	329.20	88.97%
3.368	0.9819	8.53	100%	760.67	12.13/45.94	12.61/0.255	3.33/10.25	5.05/10.25	4.93/2.126	656.89	86.36%







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/*

Input AC Current Waveform (ITHD = 12.9%, 50% Load)