80 PLUS Verification and Testing Report

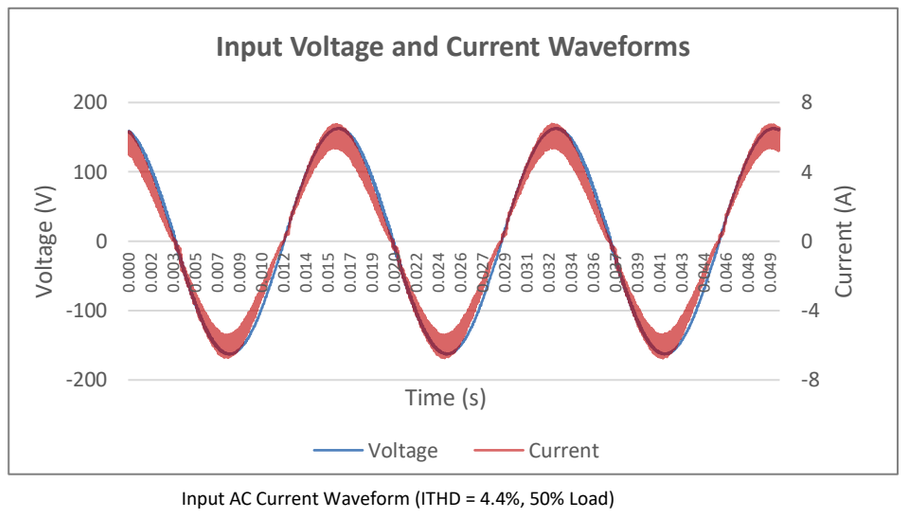
TYPICAL EFFICIENCY (50% Load):	**88.79%**
AVERAGE EFFICIENCY :	**85.66%**
80 PLUS COMPLIANT:	**Bronze**



ID Number	7193.4
Manufacturer	Formula V Technology CO.
Model Number	FV-850BD
Serial Number	N/A
Year	2023
Type	EPS12V
Test Date	10/17/23

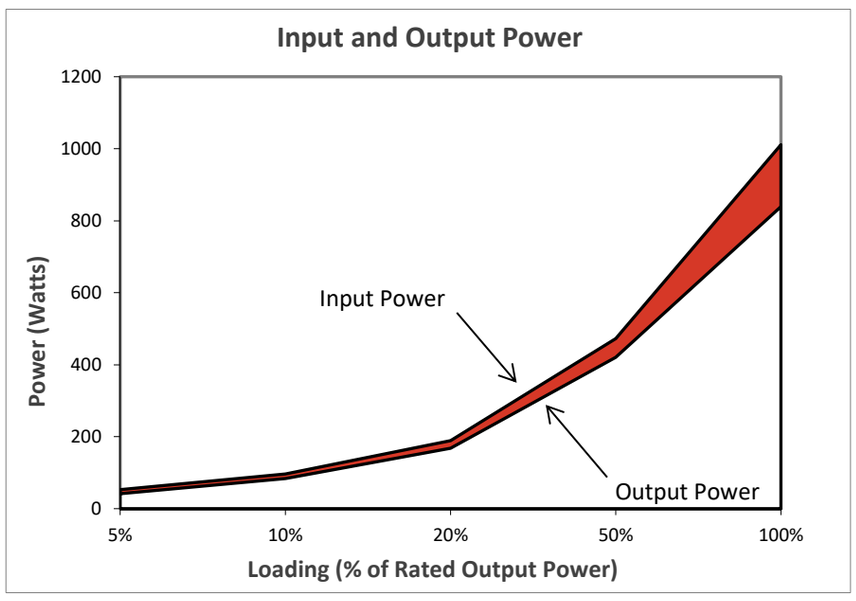
Rated Specifications	Value	Units
Input Voltage	100~240	**Volts**
Input Current	10	**Amps**
Input Frequency	50~60	**Hz**
Rated Output Power	850	**Watts**

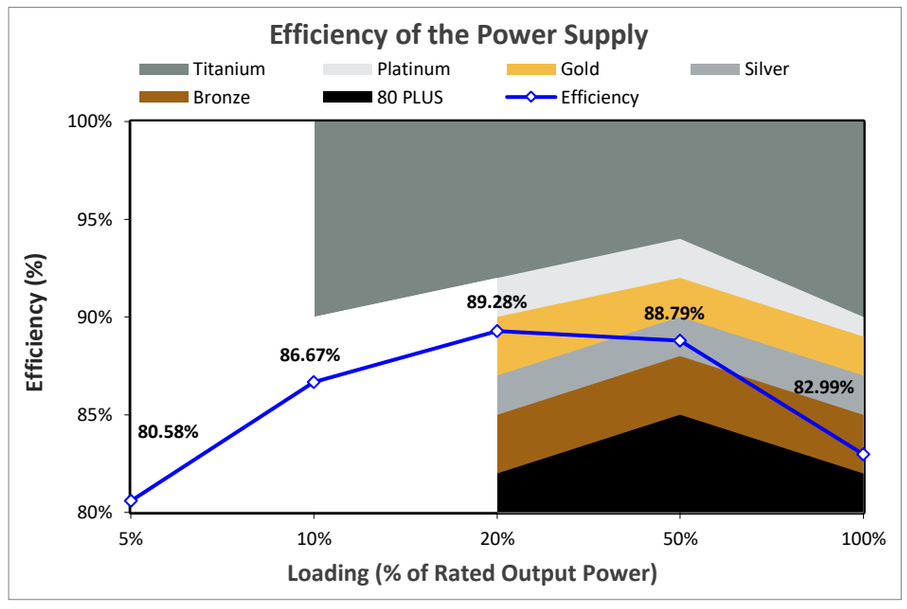
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 4.4%, 50% Load)

$I_{RMS\ (A)}$	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	5Vstb		
0.144	0.6564	22.20	0%	10.89	No-Load						
0.498	**0.9106**	13.34	5%	52.17	11.81/3.11	12.32/0.013	3.38/0.53	5.12/0.53	5.13/0.132	42.04	**80.58%**
0.878	**0.9605**	7.26	10%	97.01	11.81/6.22	12.32/0.026	3.37/1.06	5.11/1.06	5.11/0.263	84.08	**86.67%**
1.672	**0.9786**	8.99	20%	188.28	11.81/12.43	12.33/0.053	3.36/2.12	5.1/2.12	5.08/0.527	168.09	**89.28%**
4.135	**0.9943**	4.40	50%	472.90	11.82/31.08	12.33/0.132	3.32/5.29	5.06/5.29	4.99/1.317	419.87	**88.79%**
8.817	**0.9977**	2.36	100%	1011.08	11.85/62.16	12.33/0.263	3.24/10.58	4.99/10.58	4.81/2.633	839.05	**82.99%**





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/*