80 PLUS Verification and Testing Report

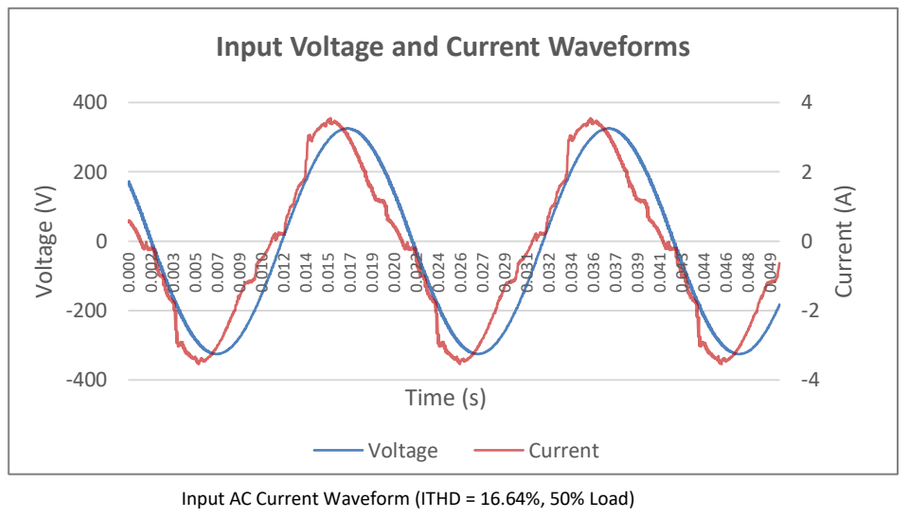
TYPICAL EFFICIENCY (50% Load):	**89.44%**
AVERAGE EFFICIENCY :	**84.67%**
80 PLUS COMPLIANT:	**Bronze**



ID Number	EU-986
Manufacturer	Dongguan Golden Field Industrial Co., Ltd(DG)
Model Number	EPS850ELU(85+)
Serial Number	N/A
Year	2023
Type	EPS12V
Test Date	10/19/23

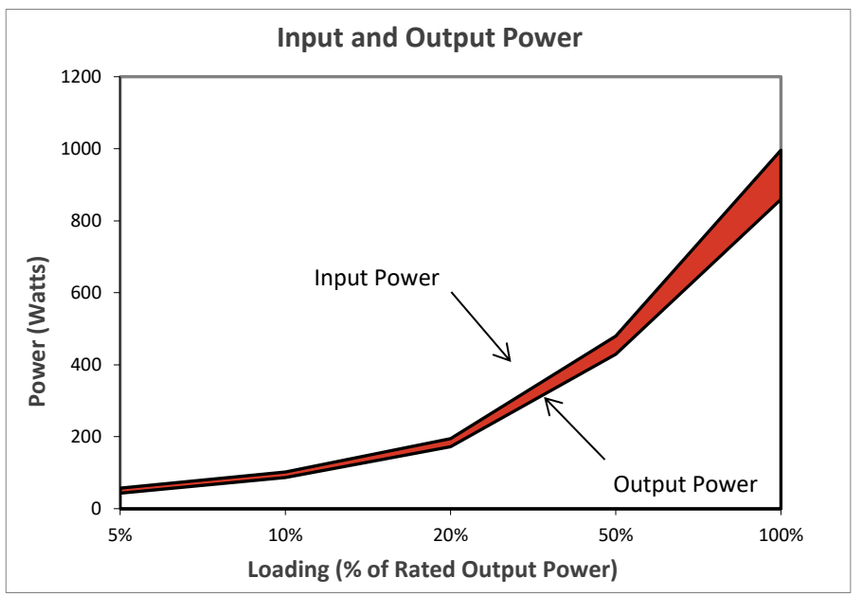
Rated Specifications	Value	Units
Input Voltage	220	**Volts**
Input Current	10	**Amps**
Input Frequency	50	**Hz**
Rated Output Power	850	**Watts**

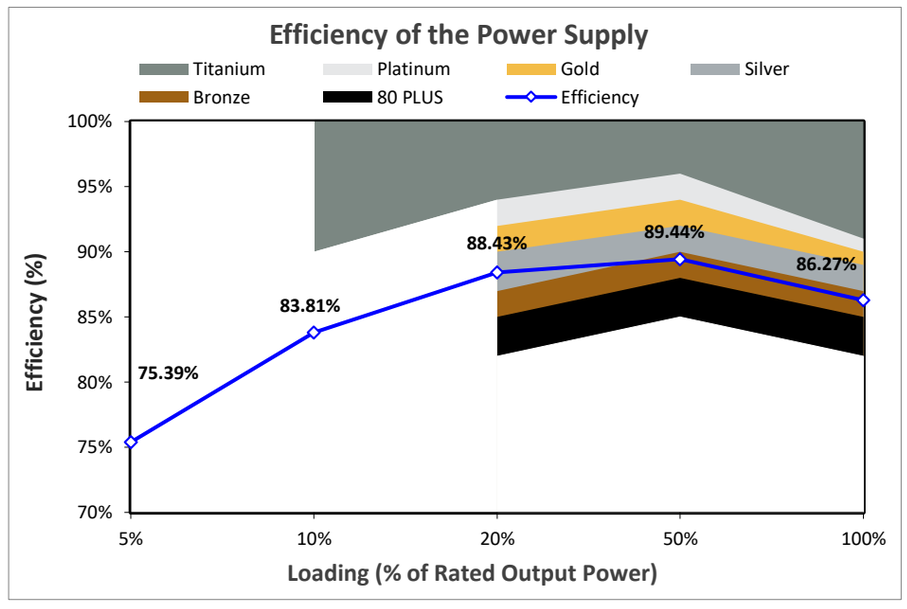
Note: All measurements were taken with input voltage at 230V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 16.64%, 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		
0.192	0.2618	23.60	0%	11.59	No-Load						
0.382	**0.6469**	27.75	5%	56.92	12.11/3.12	12.32/0.013	3.36/0.53	5.02/0.53	5.07/0.11	42.91	**75.39%**
0.559	**0.7960**	23.50	10%	102.42	12.11/6.23	12.36/0.026	3.36/1.06	5.02/1.06	5.06/0.22	85.85	**83.81%**
0.948	**0.8902**	20.85	20%	194.14	12.12/12.47	12.35/0.053	3.36/2.12	5.03/2.12	5.04/0.44	171.68	**88.43%**
2.203	**0.9475**	16.64	50%	480.10	12.12/31.16	12.27/0.132	3.37/5.3	5.04/5.3	4.98/1.1	429.39	**89.44%**
4.453	**0.9724**	10.36	100%	995.98	12.13/62.32	12.36/0.264	3.39/10.61	5.06/10.61	4.86/2.199	859.22	**86.27%**





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/*