80 PLUS Verification and Testing Report

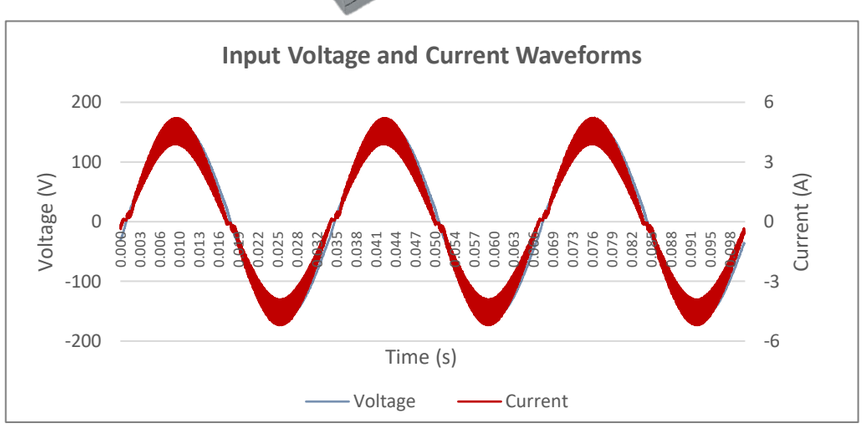
TYPICAL EFFICIENCY (50% Load):	**91.79%**
AVERAGE EFFICIENCY :	**83.85%**
AVERAGE STANDBY EFFICIENCY :	**78.60%**
80 PLUS COMPLIANT:	**Gold**



ID Number	8092
Manufacturer	Dongguan Golden Field Industrial Co., Ltd(DG)
Model Number	TFX05-G650WB
Sample 1 S/N:	0GF042025NO1500029
Sample 2 S/N:	0GF042025NO1500030
Type	TFX
Test Date	1/21/26

Rated	**Value**	**Units**
Input Voltage	100-240	**Volts**
Input Current	10	**Amps**
Input Frequency	50-60	**Hz**
Rated Output Power	650	**Watts**

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



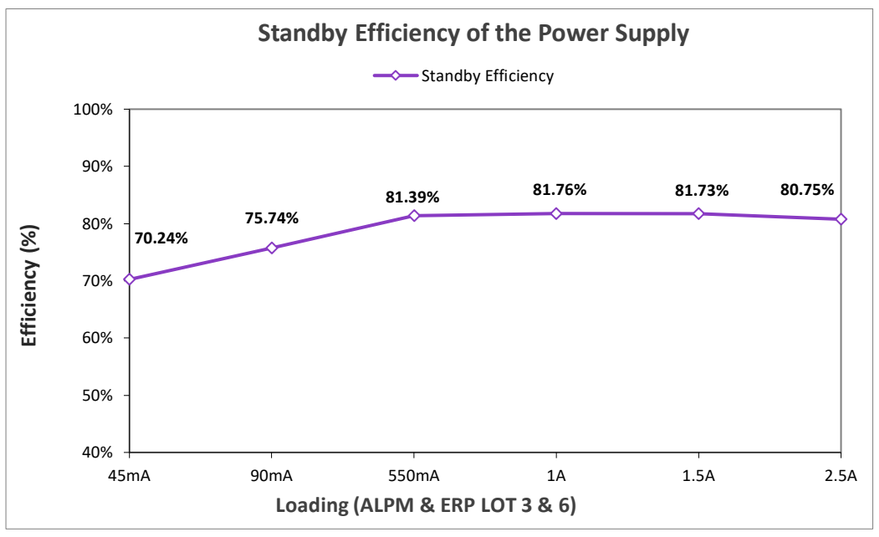
Input AC Current Waveform (ITHD = 5.15%, 50% Load)

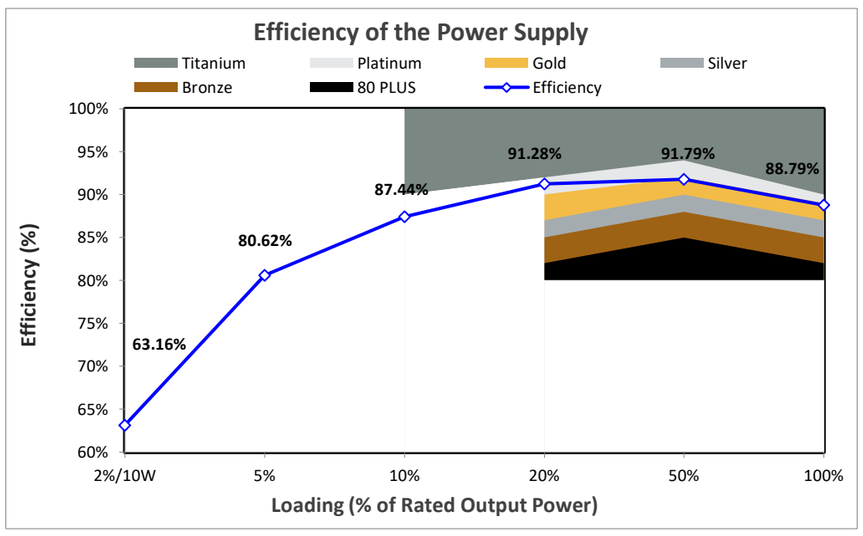
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.118	0.5469	34.72	0%	7.41	No-Load						
0.227	**0.7943**	20.62	2%/10W	20.75	12.081/0.935	11.937/0.005	3.364/0.183	5.049/0.183	5.140/0.043	13.10	**63.16%**
0.397	**0.8910**	12.95	5%	40.63	12.080/2.336	11.934/0.013	3.364/0.458	5.049/0.458	5.137/0.108	32.76	**80.62%**
0.692	**0.9410**	9.47	10%	74.95	12.082/4.670	11.934/0.026	3.364/0.916	5.050/0.916	5.133/0.216	65.53	**87.44%**
1.281	**0.9747**	5.00	20%	143.58	12.085/9.337	11.936/0.052	3.365/1.830	5.052/1.831	5.124/0.432	131.05	**91.28%**
3.127	**0.9912**	5.15	50%	356.70	12.080/23.338	11.944/0.130	3.363/4.579	5.059/4.580	5.100/1.080	327.43	**91.79%**
6.461	**0.9949**	2.53	100%	739.28	12.117/46.672	11.984/0.259	3.349/9.161	5.077/9.162	5.046/2.160	656.41	**88.79%**

Note: Efficiency data was obtained from Sample 1 (Serial Number: 0GF042025NO1500029)

$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)	Output Watts	Standby Efficiency
					5VSB		
0.051	0.0081	8.93	0mA	0.05	Vampire Load		
0.063	**0.0450**	18.65	45mA	0.33	5.138/0.045	0.23	**70.24%**
0.086	**0.0617**	29.31	90mA	0.61	5.137/0.090	0.46	**75.74%**
0.135	**0.2224**	75.45	550mA	3.46	5.127/0.550	2.82	**81.39%**
0.189	**0.2879**	83.06	1A	6.26	5.115/1.000	5.12	**81.76%**
0.251	**0.3245**	85.31	1.5A	9.37	5.103/1.500	7.66	**81.73%**
0.416	**0.3279**	86.11	2.5A	15.71	5.075/2.500	12.69	**80.75%**

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: 0GF042025NO1500030)





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.
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