

80 PLUS Verification and Testing Report

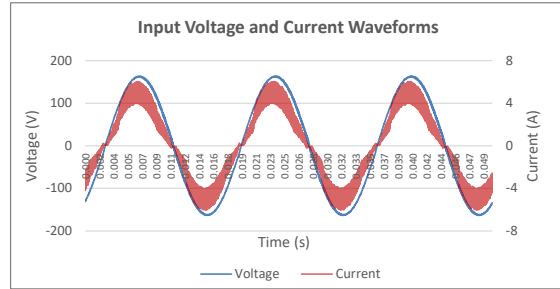
TYPICAL EFFICIENCY (50% Load):	87.72%
AVERAGE EFFICIENCY :	83.77%
80 PLUS COMPLIANT:	Bronze



ID Number	7167
Manufacturer	PICHAU GAMING
Model Number	PG-NDL650-01BR
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	9/27/23

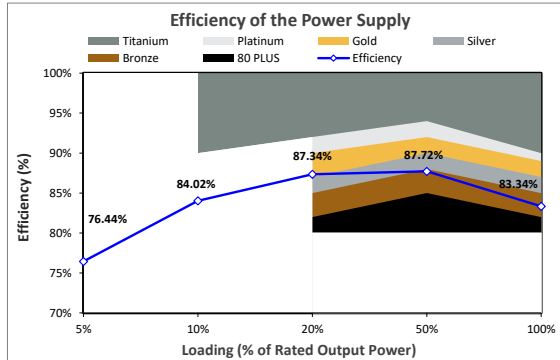
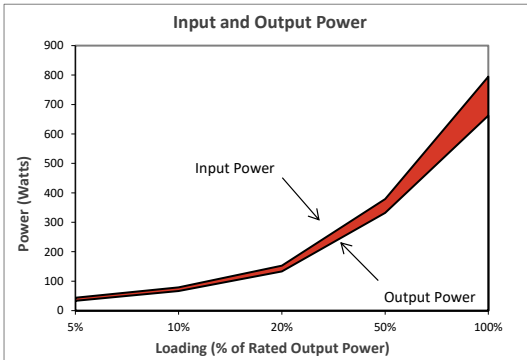
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6/10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 11.03%, 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		
0.152	0.7177	22.22	0%	12.55	No-Load						
0.439	0.8619	19.93	5%	43.52	12.26/2.22	12.09/0.013	3.41/0.61	5.16/0.61	5.13/0.126	33.27	76.44%
0.766	0.8995	17.48	10%	79.24	12.27/4.45	12.09/0.025	3.41/1.22	5.15/1.21	5.11/0.252	66.58	84.02%
1.414	0.9371	10.04	20%	152.44	12.28/8.9	12.08/0.05	3.4/2.43	5.13/2.43	5.08/0.504	133.15	87.34%
3.369	0.9773	11.03	50%	378.70	12.27/22.24	12.06/0.126	3.39/6.07	5.09/6.07	4.98/1.259	332.18	87.72%
7.010	0.9861	11.83	100%	794.69	12.26/44.48	12.12/0.252	3.36/12.13	5.03/12.13	4.79/2.516	662.31	83.34%



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/>