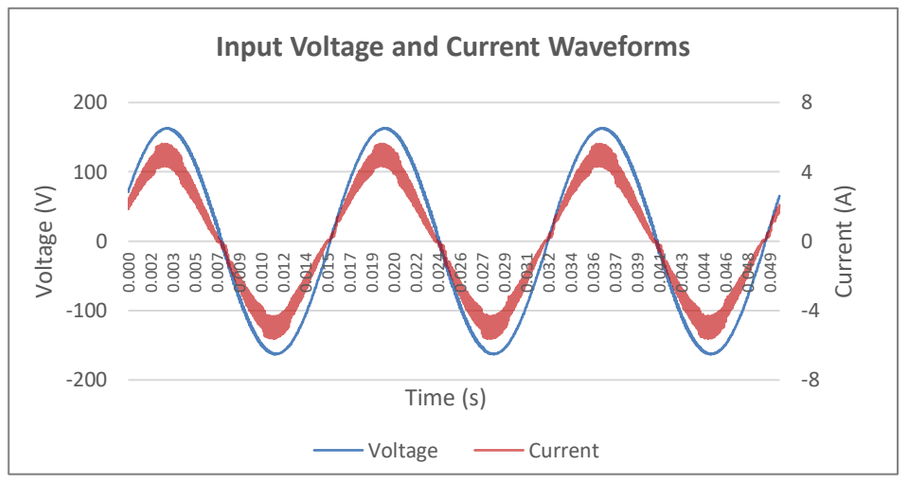
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	88.14%
AVERAGE EFFICIENCY :	84.82%
80 PLUS COMPLIANT:	Bronze

ID Number	7250
Manufacturer	PCCOOLER
Model Number	P5-YK650-B1F
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	12/11/23

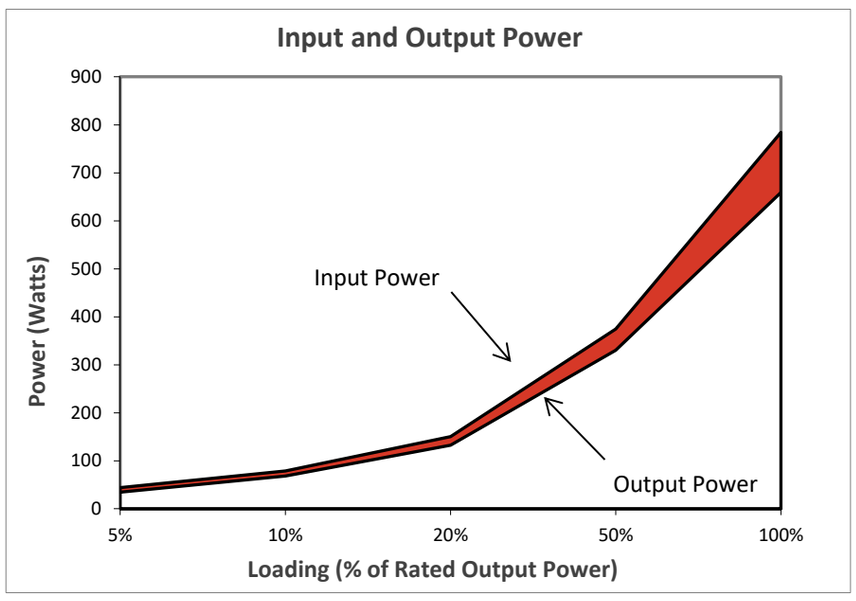
Rated Specifications	Value	Units
Input Voltage	100-240	**Volts**
Input Current	8-4	**Amps**
Input Frequency	50-60	**Hz**
Rated Output Power	650	**Watts**

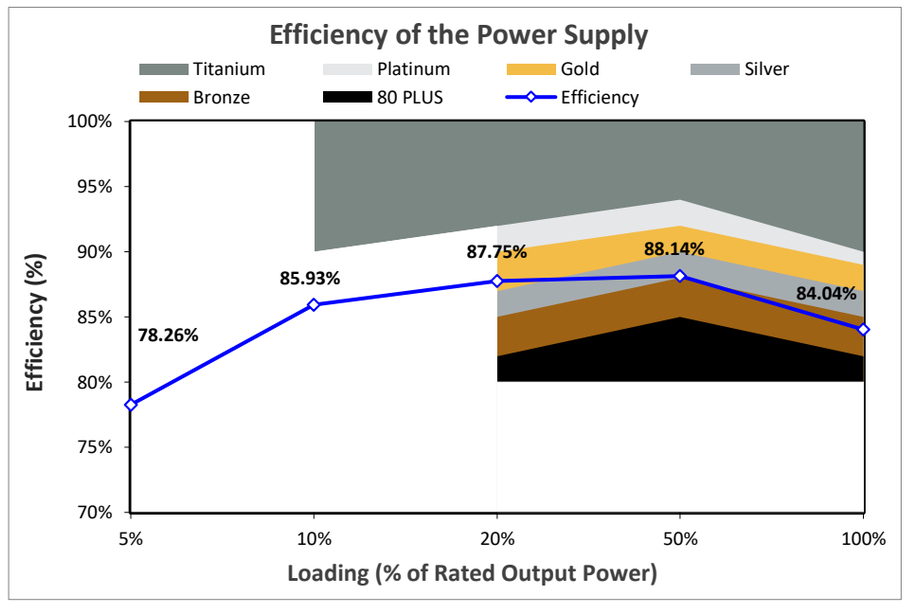
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 7.22%, 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		
0.113	0.4664	26.45	0%	6.07	No-Load						
0.417	**0.9028**	12.69	5%	43.33	12.17/2.29	11.9/0.013	3.36/0.51	5.15/0.51	5.13/0.127	33.91	**78.26%**
0.726	**0.9451**	8.84	10%	78.95	12.17/4.58	11.94/0.025	3.36/1.02	5.15/1.02	5.12/0.254	67.84	**85.93%**
1.341	**0.9754**	5.60	20%	150.54	12.18/9.16	12/0.051	3.35/2.04	5.15/2.04	5.11/0.509	132.10	**87.75%**
3.289	**0.9899**	7.22	50%	374.69	12.2/22.9	12.19/0.127	3.31/5.11	5.12/5.11	5.05/1.272	330.25	**88.14%**
6.842	**0.9959**	2.96	100%	783.93	12.19/45.79	12.53/0.254	3.25/10.22	5.07/10.22	4.97/2.543	658.81	**84.04%**





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/*