



# Fully Customized Pc Power

15 Years Power Supply Manufacture Experience



## 300W-750W



# FEATURES

POWER YOUR LIFE

- Super Silent 120mm×120mm cooling fan
- Dimension: 140(L)×150(W)×85(H)
- High efficiency: >80%\* Low ripple and noise
- Automatically fan speed control
- Over voltage protection
- Over current Protection
- Over load protection
- Short circuit protection
- 100% burn-in under high ambient temperature(50 °C)
- MTBF: 100,000 hours at 25 °C
- Excellent stability and reliability



UNDER VOLTAGE  
PROTECTION



OVER VOLTAGE  
PROTECTION



OVER CURRENT  
PROTECTION



OVER POWER  
PROTECTION



OVER TEMPERATURE  
PROTECTION



SHORT CIRCUIT  
PROTECTION

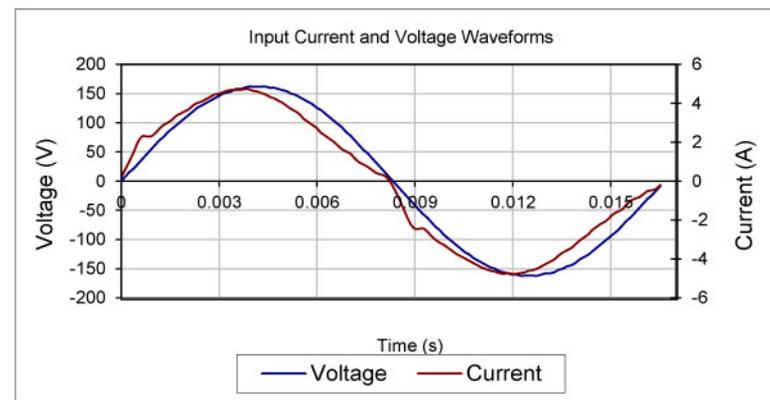
## 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.93%
AVERAGE EFFICIENCY :	85.06%
80 PLUS COMPLIANT:	YES

ID #	4707.8
Manufacturer	Kinpower International Ltd
Model Number	KP650B
Serial Number	NA
Year	2016
Type	ATX12V
Test Date	9/12/16

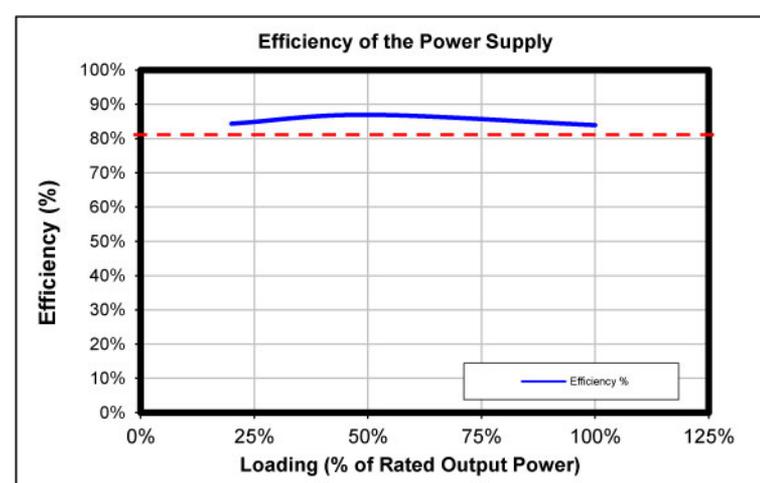
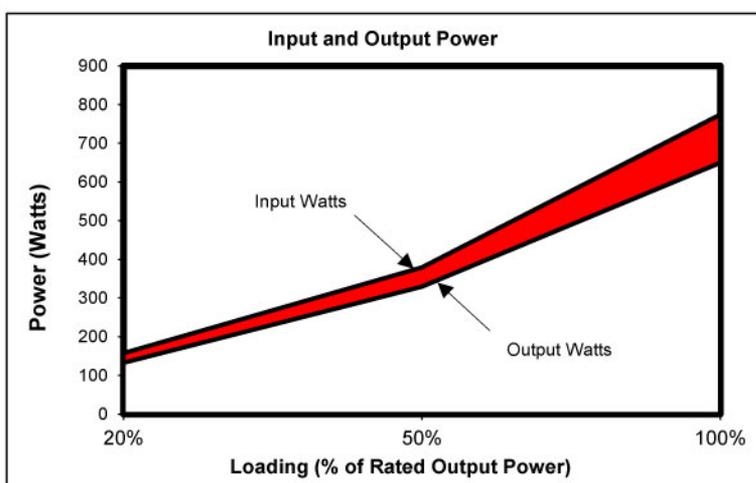
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



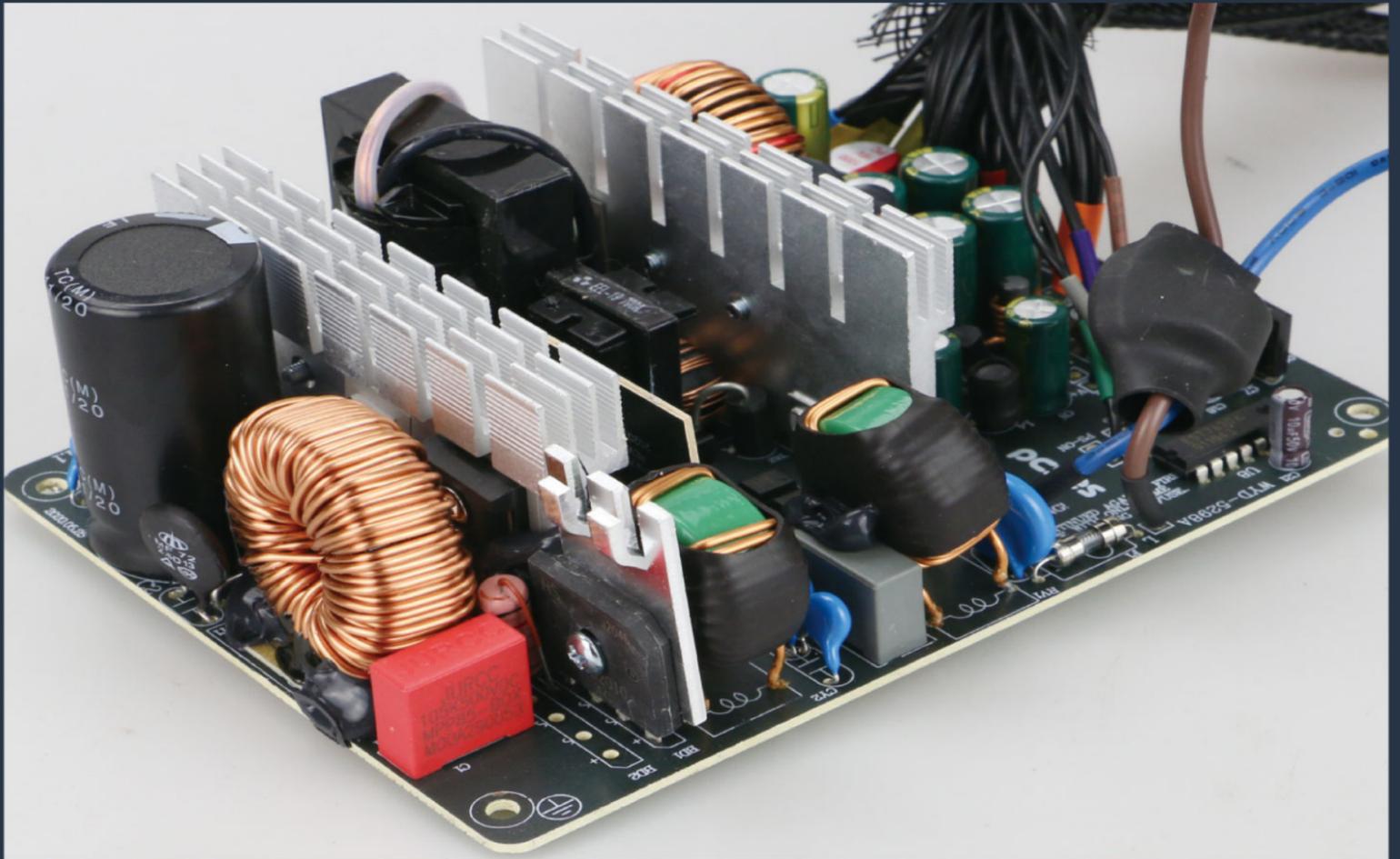
Input AC Current Waveform (ITHD = 7.46%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
0.94	0.77	25.67%	10%	83.79	12.29/4.33	11.95/0.05	3.3/1.36	5.03/1.36	5.02/0.25	66.34	79.17%
1.47	0.93	18.78%	20%	157.08	12.27/8.66	11.93/0.1	3.3/2.72	5.02/2.7	5/0.49	132.48	84.34%
3.35	0.98	7.46%	50%	379.00	12.22/21.62	11.93/0.25	3.3/6.81	4.98/6.76	4.97/1.23	329.48	86.93%
6.77	0.99	5.62%	100%	774.10	12.13/42.91	11.98/0.49	3.29/13.57	4.92/13.48	4.89/2.46	649.59	83.92%



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/>

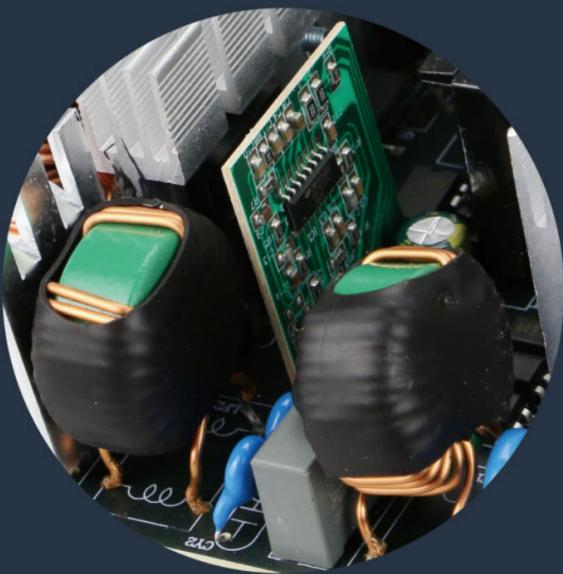




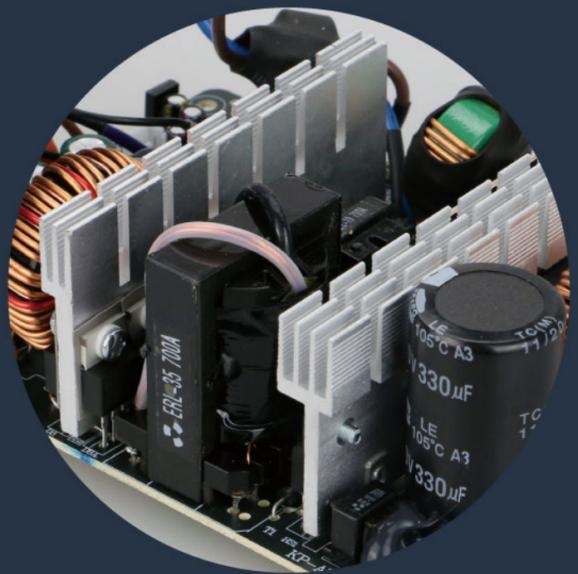
Super APFC Ring



Strong Filter Coil



Double Layer EMI Filter



Stronger Cooling System



Excellent Anti Voltage interference



Taiwan A Grade 105°C Capacitors

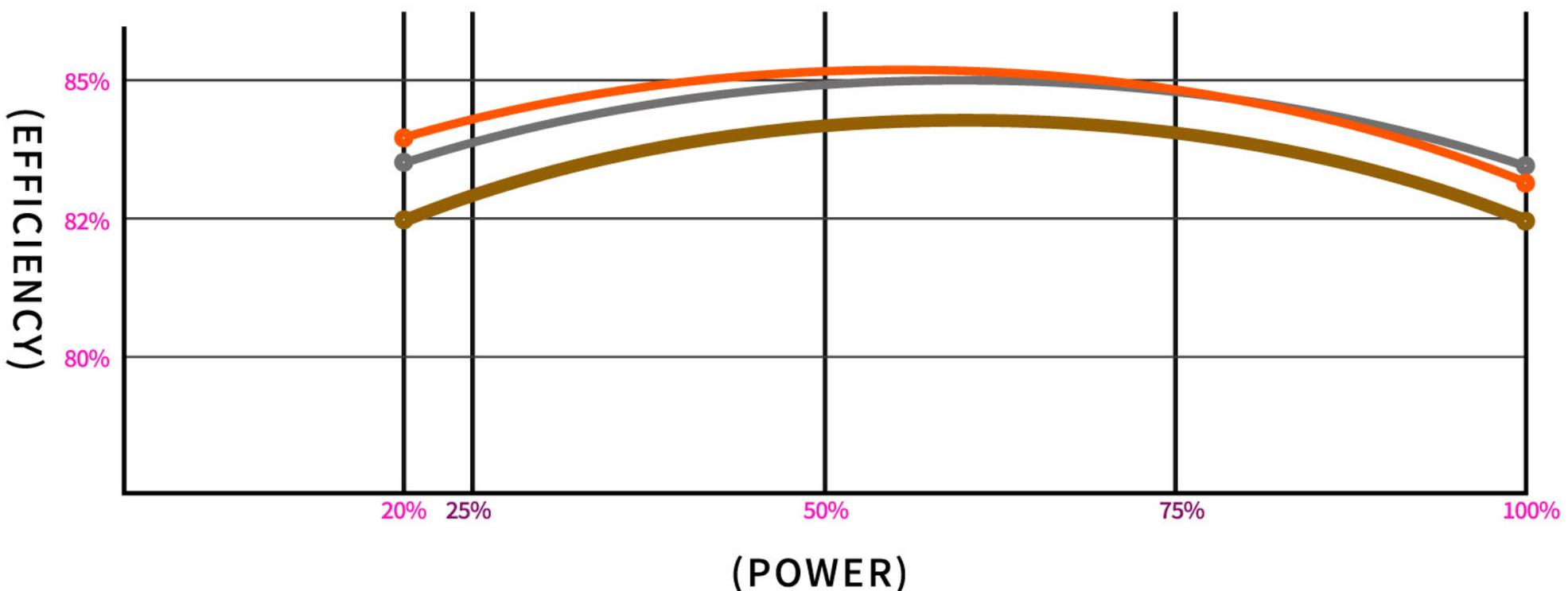
80+ bronze certificate. The measured efficiency of the power supply meets the requirements of the standard to a large extent: it is about 82% at 20% load, 85% at 50% load, and more than 82% when the demand is equal to the maximum power of the power supply. The better power efficiency leads to less power waste, less heat and less fan noise.



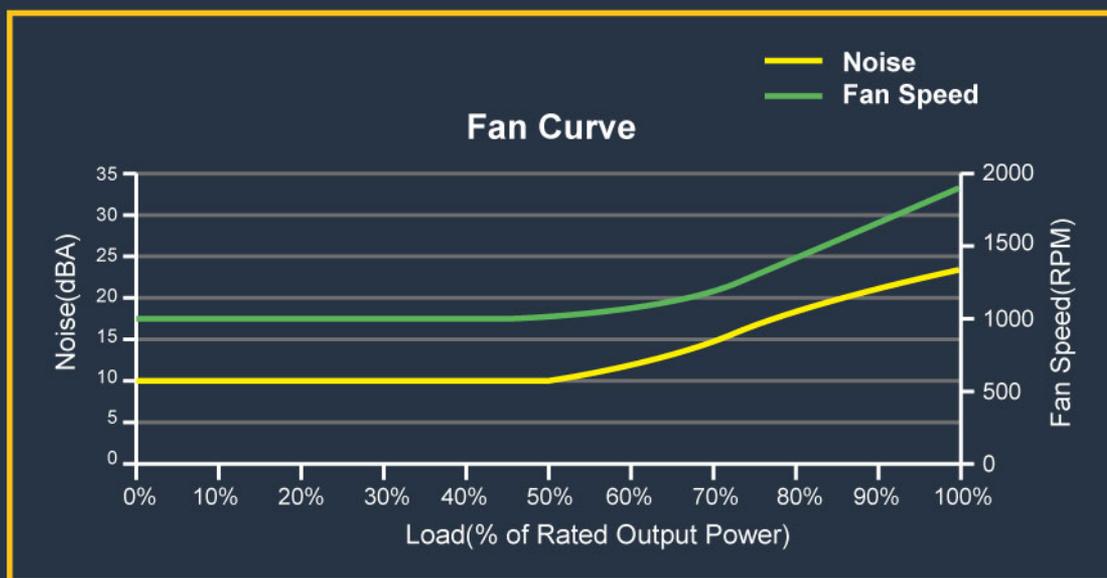
**Kinpower Bronze**

**80 Plus® Bronze**

**80 Plus® Silver**



## Thermal Regulation Mode



Thermal regulation mode keep the psu silent and stable, once the load raise to 50%, the fan start to speed up. Keep stable and high cooling performance of the psu



**Fanless Mode**



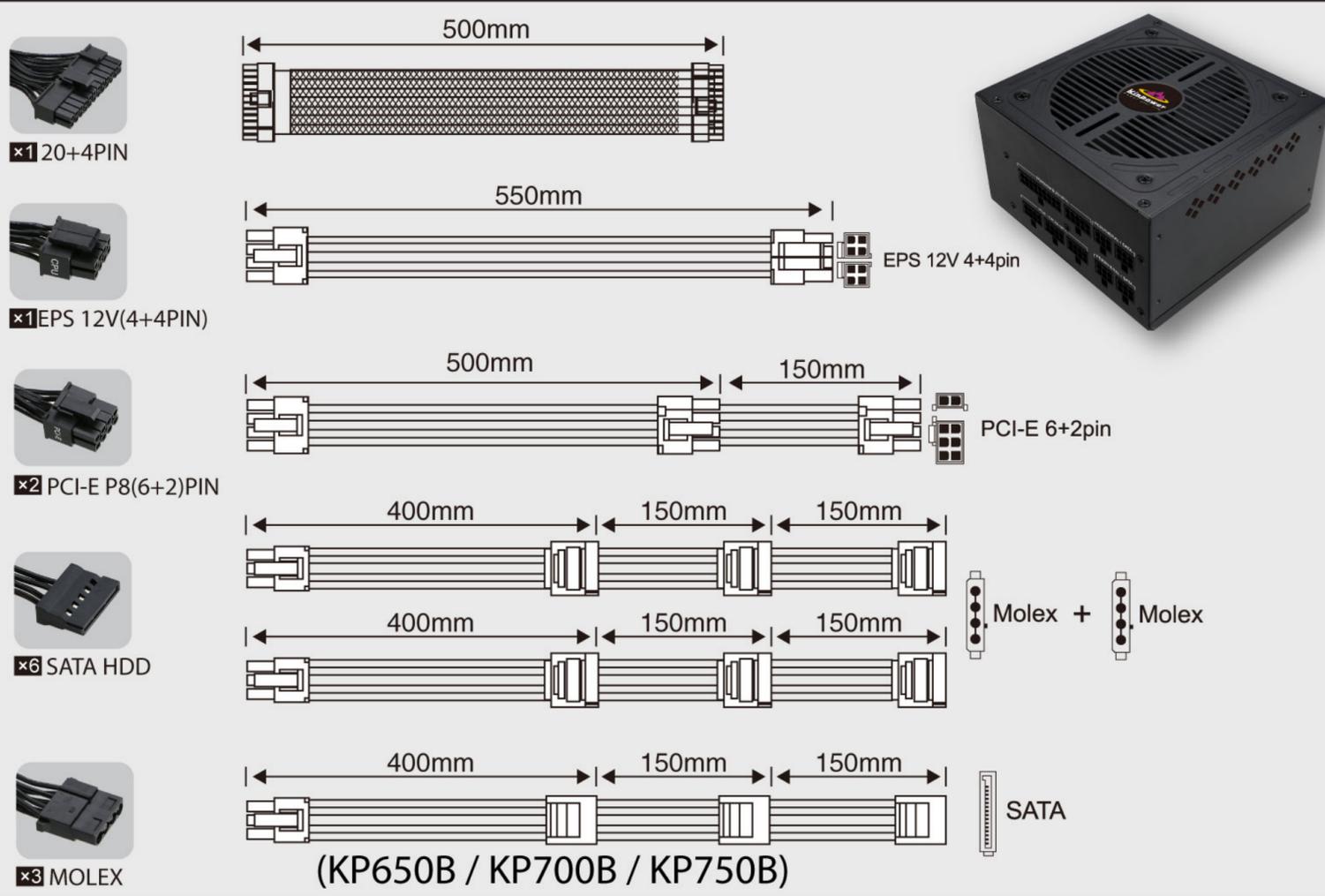
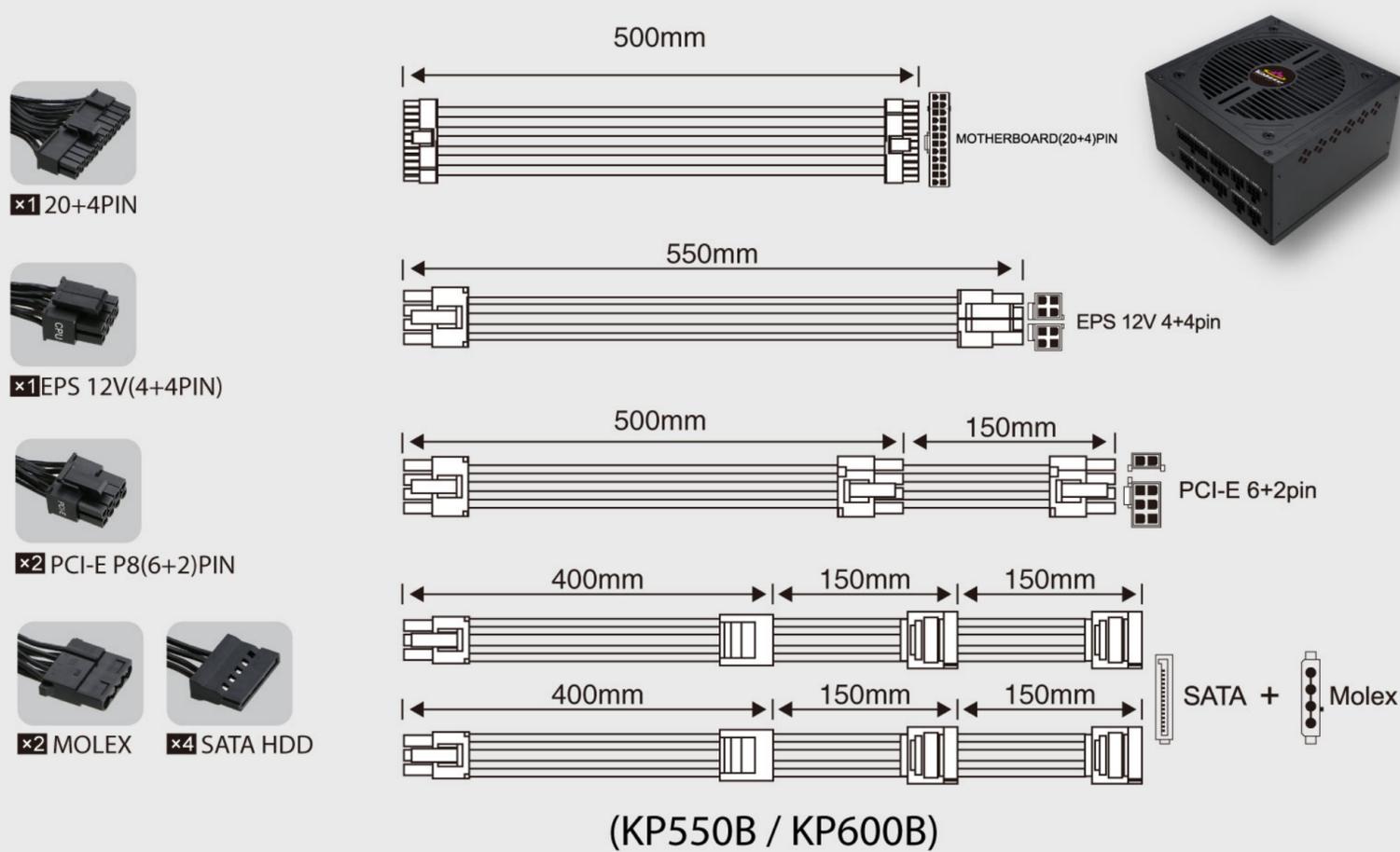
**Silent Mode**



**Cooling Mode**

## Fully modular and flat wiring

Kinpower Bronze full module set: 24-pin ATX and 8-pin EPS cables (two connectors in the 4+4 system), including two separate PCI-E bundles, Molex and SATA, according to the current needs of users Free to disconnect/connect. In addition, all cables are flat, which allows them to be easily distributed in the chassis while improving air circulation.



20+4PIN



EPS 12V(4+4PIN)



PCI-E P8(6+2)PIN



PCI-E 6PIN



CPU 4PIN



SATA HDD



MOLEX



FLOPPY

## ■ KP300B

Input	220-240VAC 5A 50/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max.Current	16A	16A	24A	0.3A	2A
Max.Power	84W		288W	3.6W	10W
Total Power	<b>300W</b>				

## ■ KP350B

Input	220-240VAC 5A 50/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max.Current	16A	16A	28A	0.3A	2A
Max.Power	84W		336W	3.6W	10W
Total Power	<b>350W</b>				

## ■ KP400B

Input	220-240VAC 5A 50/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max.Current	16A	16A	30A	0.3A	2A
Max.Power	84W		360W	3.6W	10W
Total Power	<b>400W</b>				

## ■ KP450B

Input	220-240VAC 5A 50/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max.Current	16A	16A	34A	0.3A	2A
Max.Power	84W		408W	3.6W	10W
Total Power	<b>450W</b>				

## ■ KP500B

Input	220-240VAC 5A 50/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max.Current	16A	16A	38A	0.3A	2A
Max.Power	84W		456W	3.6W	10W
Total Power	<b>500W</b>				

## ■ KP550B

Input	220-240VAC 5A 50/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max.Current	16A	16A	42A	0.3A	2A
Max.Power	84W		504W	3.6W	10W
Total Power	<b>550W</b>				

## ■ KP600B

Input	220-240VAC 8A 50/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max.Current	16A	20A	46A	0.3A	2A
Max.Power	103W		552W	3.6W	10W
Total Power	<b>600W</b>				

## ■ KP650B

Input	220-240VAC 8A 50/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max.Current	16A	20A	50A	0.3A	2A
Max.Power	103W		600W	3.6W	10W
Total Power	<b>650W</b>				

## ■ KP700B

Input	220-240VAC 10A 50/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max.Current	16A	20A	56A	0.3A	2A
Max.Power	103W		672W	3.6W	10W
Total Power	<b>700W</b>				

## ■ KP750B

Input	220-240VAC 10A 50/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max.Current	16A	20A	60A	0.3A	2A
Max.Power	103W		720W	3.6W	10W
Total Power	<b>750W</b>				



# PACKING

POWER YOUR LIFE



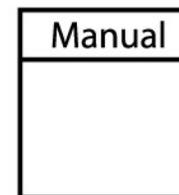
120 cm Input Cable



Fixing screws PSU/PC



Cable ties



User's Manual



Box



PC Power Supply

- KP300 B**
- KP350 B**
- KP400 B**
- KP450 B**
- KP500 B**
- KP550 B**
- KP600 B**
- KP650 B**
- KP700 B**
- KP750 B**

# CERTIFICATIONS

POWER YOUR LIFE

