



HYDRO K PRO Series ATX 3.0

500W / 600W / 750W / 850W



Introduction

The new HYDRO K PRO PSUs comply fully ATXV12 V3.0 standard and latest safety 62368 regulation as well, and comes with high-grade ribbon cables, give your PC a polished look. The HYDRO K PRO series is designed a powerful single +12V rail that continually delivers maximum performance for the most demanding graphic cards, while FSP's custom DC-DC design provides safety and power efficiency. Besides, With an 230V 80 Plus® rating, delivers over 88% high efficiency and low noise levels thanks to its hydraulic bearing fan design, where a large 120mm fan takes care of cooling duties when required, making it excellent for situations that are sensitive to size and noise.

Features



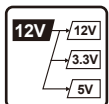
120mm Hydraulic Bearing (HYB) Fan

It makes optimal cooling and reduces noise. And longer lifespan than a standard fan.



+12V Single Rail Design

Designed for power-intensive VGA cards., provides strong power to any overloading condition.



DC – DC Module

Providing high efficient , stable power.



Efficiency 88%

It generates less heat to you PC system and saves you more from energy bills.

- Complies with ATX12V V3.0 & EPS12V V2.92
- Efficiency $\geq 88\%$ @ typical load
- Active PFC ≥ 0.9
- Hold up time $\geq 17\text{ms}$ @ 80% load
- 120mm hydraulic bearing (HYB) fan
- +5V & 3.3V DC to DC module design
- +12V Single-rail design
- All black cables
- Double layer EMI filter
- Complete protections: OCP/OVP/OPP/SCP

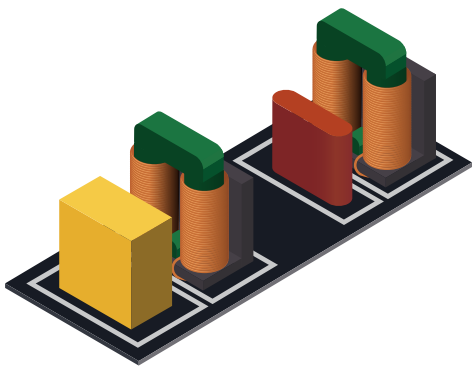
Product Overview



Power Excursion to 200%

Increased tolerance for high power spikes, for the compatible PSU platforms. For 450W PSU, up to 200% of the PSU's rated power for 100µs with a 10% duty cycle.

*For PSU below 450W, up to 150% of the PSU's rated power for 100µs with a 10% duty cycle.



Double Layer EMI Filter

To reduce electromagnetic interference and suppress noise.



Low Noise, Less Heat

A 120mm Hydraulic Bearing (HYB) Fan makes optimal cooling and reduces noise. And longer lifespan than a standard fan.

Product Overview

All Black Ribbon Cables

We know what builders need. The all black ribbon cables give your system a superior look.

*For 750W & 850W



Black Cables for a chic build!

*For 500W / 600W

Green Power

Complies with 2013 ErP/EuP, the total AC power consumption of the completed system is less than 0.5W in standby mode.

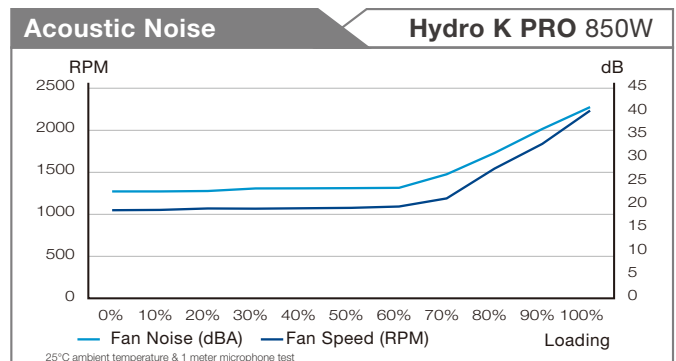
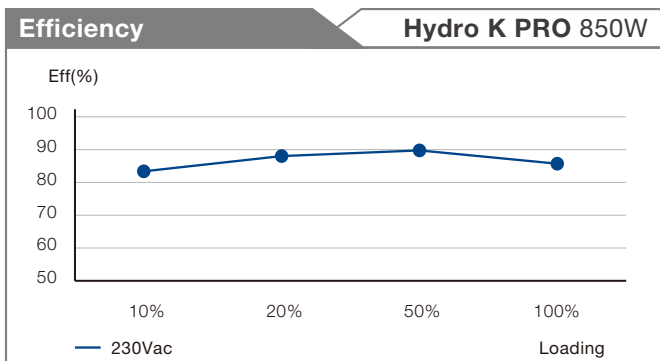
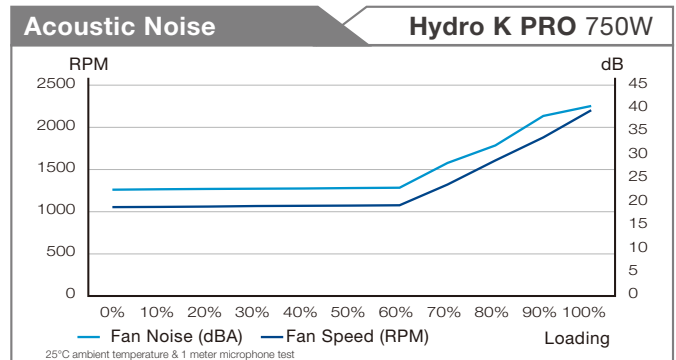
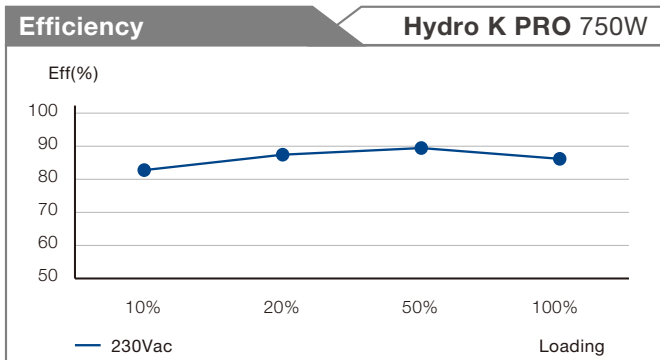
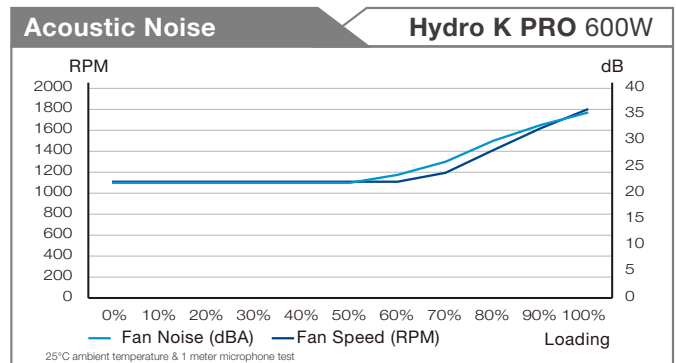
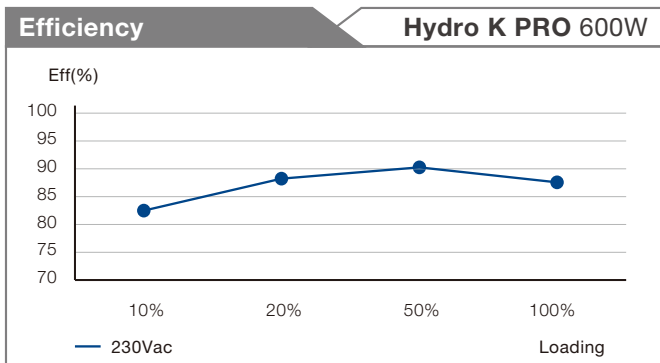
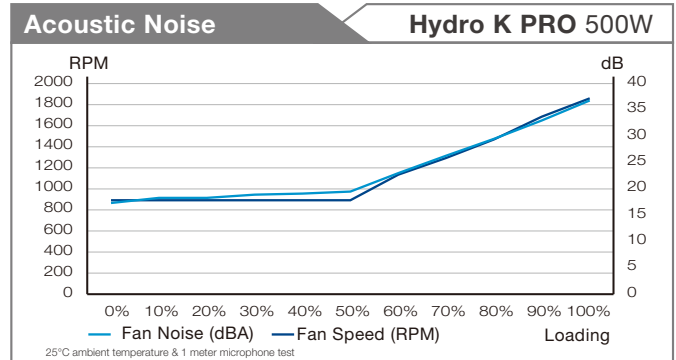
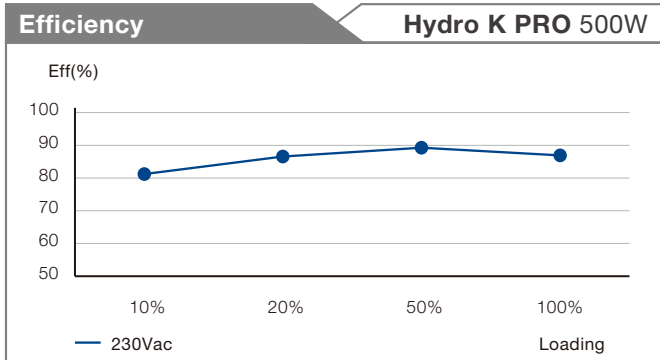
Up-to-date Circuit Design

A dual forward topology integrated with active PFC and PWM technology and double EMI filter delivers full power and enhance stability to your system.

Unleash +12V Power Output

VGA card is a component which needs greedy and stable power supporting most. A single +12V rail design that VGA cards full power individually and to avoid any overloading conditions.

Performance





HYDRO K PRO Series

ATX 3.0

500W / 600W / 750W / 850W

Rating

500W

AC Input 交流输入	200-240V~ 4A 50-60Hz				
DC Output 直流输出	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current 最大电流	20A	20A	41A	0.3A	2.5A
Max Combined Power 最大功率	100W		492W	3.6W	12.5W
Total Power 额定功率	500W				

600W

AC Input 交流输入	200-240V~ 4.5A 50-60Hz				
DC Output 直流输出	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current 最大电流	20A	20A	50A	0.3A	2.5A
Max Combined Power 最大功率	100W		600W	3.6W	12.5W
Total Power 额定功率	600W				

750W

AC Input 交流输入	200-240V~ 6A 50-60Hz				
DC Output 直流输出	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current 最大电流	20A	20A	62.5A	0.3A	2.5A
Max Combined Power 最大功率	100W		750W	3.6W	12.5W
Total Power 额定功率	750W				

850W

AC Input 交流输入	200-240V~ 6A 50-60Hz				
DC Output 直流输出	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current 最大电流	20A	20A	70.83A	0.3A	2.5A
Max Combined Power 最大功率	100W		849.86W	3.6W	12.5W
Total Power 额定功率	850W				

Specifications



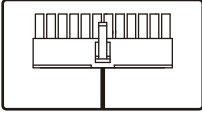
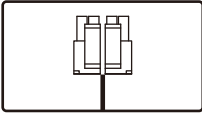
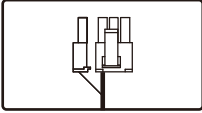
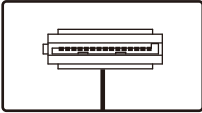
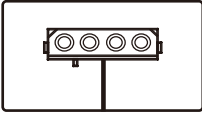
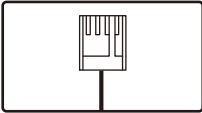
	500W	600W
Model	HP2-500	HP2-600
Type	ATX	ATX
PFC	Active PFC	Active PFC
Input Voltage	200-240V	200-240V
Input Current	4A	4.5A
Input Frequency	50-60Hz	50-60Hz
Output Capacity	500W	600W
Max. Output Power	500W	600W
Fan Type	HYB fan, 120mm	HYB fan, 120mm
Efficiency	88%	88%
MTBF	100,000 Hrs	100,000 Hrs
Protection	OCP, OVP, OPP, SCP	OCP, OVP, OPP, SCP
Dimension(L×W×H)	150 × 140 × 86 mm	150 × 140 × 86 mm
Warranty	5 years	5 years
Additional Information		

Specifications



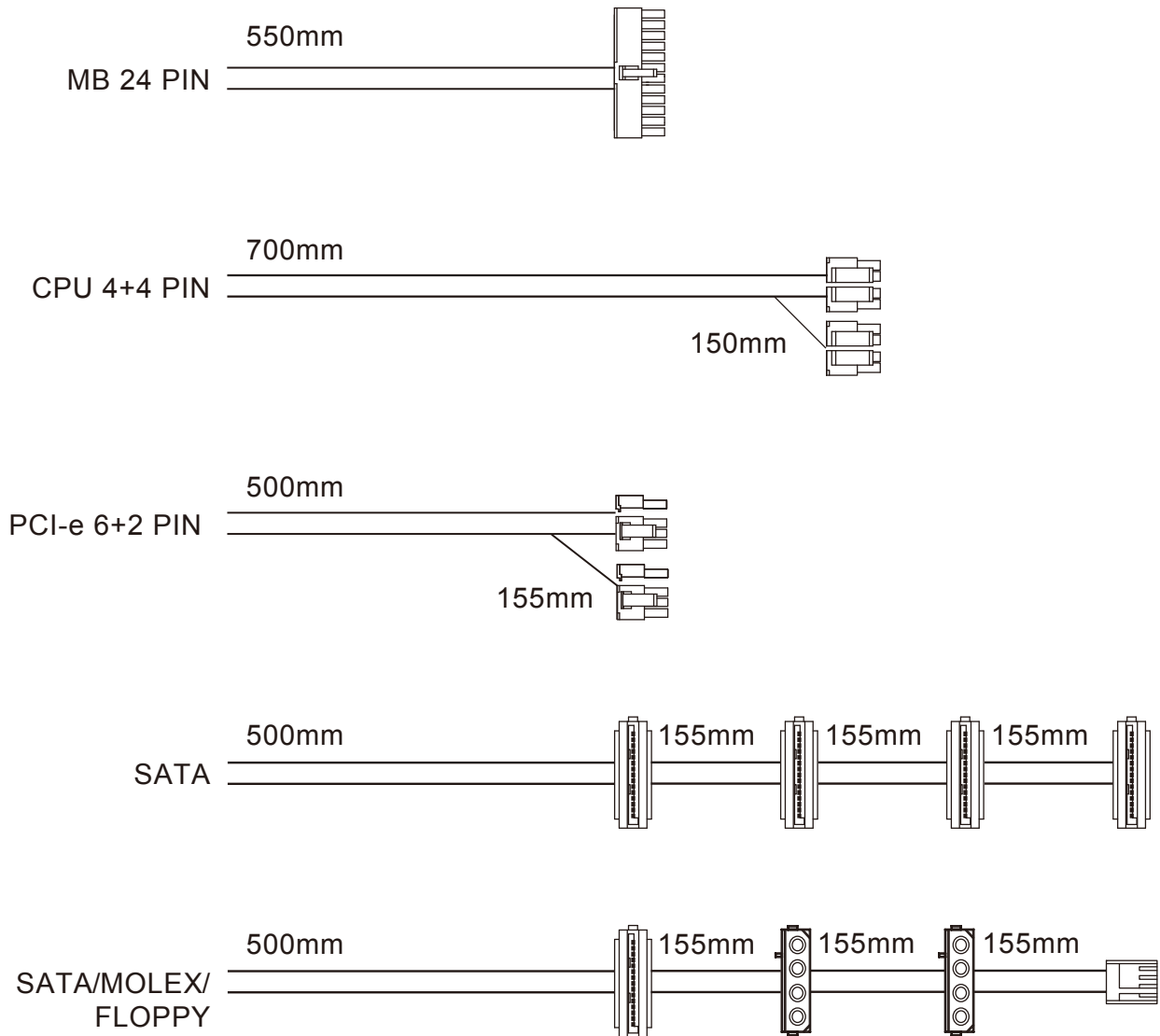
	750W	850W
Model	HD2-750	HD2-850
Type	ATX	ATX
PFC	Active PFC	Active PFC
Input Voltage	200-240V	200-240V
Input Current	6A	6A
Input Frequency	50-60Hz	50-60Hz
Output Capacity	750W	850W
Max. Output Power	750W	850W
Fan Type	HYB fan, 120mm	HYB fan, 120mm
Efficiency	88%	88%
MTBF	100,000 Hrs	100,000 Hrs
Protection	OCP, OVP, OPP, SCP	OCP, OVP, OPP, SCP
Dimension(L×W×H)	150 × 140 × 86 mm	150 × 140 × 86 mm
Warranty		
Additional Information		

Connectors

	500W	600W	750W	850W
 MB 24 PIN	1	1	1	1
 CUP 4+4 PIN	2	2	2	2
 PCI-e 6+2 PIN	2	2	4	4
 SATA	5	5	8	8
 MOLEX	2	2	2	2
 FLOPPY	1	1	1	1

Cable Length

500W / 600W



Cable Length

750W / 850W

