FSP/Fortron HP2-500 power supply unit

Artikel	703211
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FSP/Fortron	

The new Hydro K PRO PSUs comply fully ATX12 v2.52 standard and the 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 as 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.

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.

Stable DC to DC Output Quality
DC to DC modules with low ripple noise and prolongs system lifetime.

Double Layer EMI Filter
To reduce electromagnetic interference and suppress noise.

Low Noise, Less Heat
Hydro K PRO series is equipped with the 120mm hydraulic bearing fan (HYB) which makes optimum cooling and reduces noise. Moreover, the lifespan of fan is longer than standard one.

+12V Single Rail Design
Designed for power-intensive VGA cards, provides strong power to any overloading condition.

80 Plus® Bronze Certification
With an 230V 80 Plus® rating, Hydro K PRO series delivers over 88% high efficiency.

Energy Related ErP/Eup 2013
Green Power! The total AC power consumption less than 5Vsb rail to meet the new EU Regulation ErP 2013 for modern systems.

Zusammenfassung

The new Hydro K PRO PSUs comply fully ATX12 v2.52 standard and the 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 as 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

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FSP/Fortron HP2-500, 500 W, 200 - 240 V, 50 - 60 Hz, 4 A, Active, 100 W

FSP/Fortron HP2-500. Total power: 500 W, AC input voltage: 200 - 240 V, AC input frequency: 50 - 60 Hz. Motherboard power connector: 24-pin ATX, Cabling type: Semi-Modular. Purpose: PC, Power supply unit (PSU) form factor: ATX, 80 PLUS certification: 80 PLUS Bronze. Product colour: Black, Cooling type: Active, Fan diameter: 12 cm. Width: 140 mm, Depth: 150 mm, Height: 86 mm

Merkmale

Packaging data

Package type	Box

Weight & dimensions

Width	140 mm
Depth	150 mm
Height	86 mm

Performance

80 PLUS certification	80 PLUS Bronze
Purpose	PC
Power supply unit (PSU) form factor	ATX
Bearing technology	HYB

Design

Product colour	Black
Cooling type	Active
Fan diameter	12 cm
Number of fans	1 fan(s)
On/off switch	Y

Ports & interfaces

Motherboard power connector	24-pin ATX
Number of SATA power connectors	5
Peripheral (Molex) power connectors (4-pin)	2
PCI Express power connectors (6+2 pin)	2
CPU power connector (4+4 pin)	Y
Floppy drive power connector	1
Floppy disk drive connector	Y
Cabling type	Semi-Modular

Power

Total power	500 W
AC input voltage	200 - 240 V
AC input frequency	50 - 60 Hz
Input current	4 A

Power Factor Correction (PFC) type	Active
Combined power (+3.3V)	100 W
Combined power (+12V)	492 W
Combined power (+5V)	100 W
Combined power (-12V)	3.6 W
Combined power (+5Vsb)	12.5 W
Max output current (+3.3V)	20 A
Max output current (+12V)	41 A
Max output current (+5V)	20 A
Max output current (-12V)	0.3 A
Max output current (+5Vsb)	2.5 A
Efficiency	88%
Power protection features	Over current, Over power, Over voltage, Short circuit