HYDRO Series

500W / 600W / 700W

Introduction

FSP Hydro series is designed for the need of general gamers who need good performance at affordable prices.
No compromise is what FSP looks for electronic performance even in mainstream product range.
By 230V 80Plus bronze certification, its efficiency can be reached up to 88% at typical loading.
The powerful single +12V rail design provides stable power to your hungry graphic cards while you play games.
Gamers are easy to install all cables to all system components through motherboard tray in the back of chassis by ribbon cable design.
With advanced air-flow design, PC system is running in silent operation at full loading even the inside ambient temperature of PC chassis is at 40°C.
FSP Hydro series offers three models which are 500W, 600W, and 700W.
With full protections, gamers don't need to worry about dynamic and unstable usage when PC is at heavy loading. Wide input AC mains range is also a benefit to gamers as well.

Features

+12V Single Rail Design
Provide strong power to any overloading conditions

Ribbon Cable
Give any systems a neat and polished look (Black-sleeved cable for 20+4 pin)

Wide Input AC Range
A reliable design for any unstable voltage condition

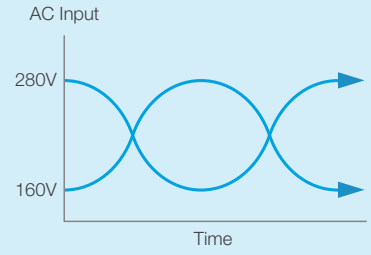
- Unique product ID with stylish side sticker
- Advanced air-flow design in silent operation
- Complies with newest ATX12V & EPS12V standards
- Wide input AC range from 160Vac to 280Vac
- 230V 80PLUS® Bronze certification
- Efficiency ≧88%
- Powerful single +12V rail design
- Ribbon cables for the need of enthusiasts and gamers
- SLI and Crossfire ready
- Full protections: OCP, OVP, SCP, OPP
- Global safety approved

© 2015 FSP Group. All Rights Reserved. All trademarks are registered to their respective owners.

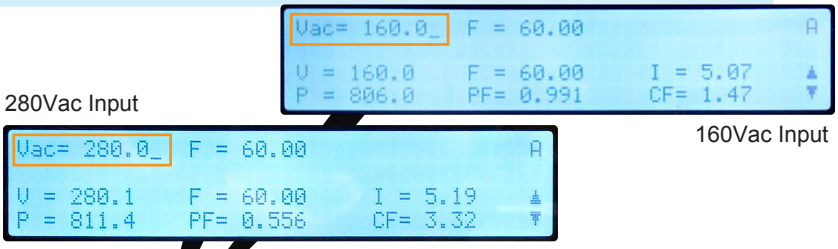
HYDRO Series

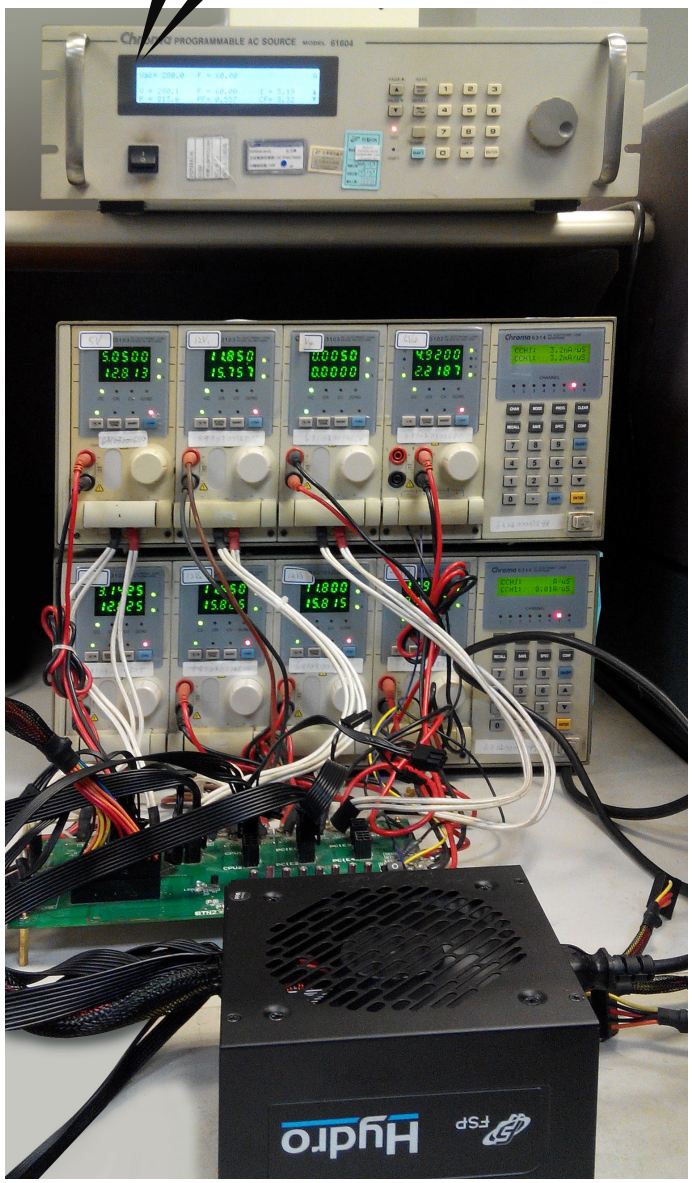
500W / 600W / 700W

Product Overview



Wide input AC range
Input AC range from 160Vac to 280Vac, a reliable design for any unstable voltage condition.





Our insistence only for exceptional performance

- 160Vac~280Vac wide AC input support for unstable voltage circumstance.
- Over 85% efficiency under 160Vac / 280Vac input.

Simple electrical science concept

low voltage comes with high current.

However, it's risk for component in power supply unit if input current is too big.

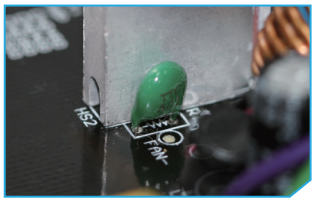
Quality-ensured component and experienced design are relative important elements for a power supply unit featured with wide AC input.

© 2015 FSP Group. All Rights Reserved. All trademarks are registered to their respective owners.

HYDRO Series

500W / 600W / 700W

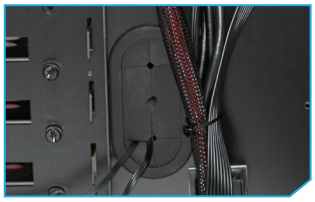
Product Overview



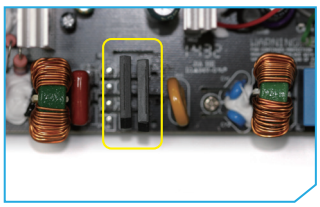
Intelligent fan control
An advanced fan control design to detect heat and adjust fan speed for optimal cooling performance.

Low noise
120mm fan and special vent –hole design to spin quietly and keep cooling under maximum operation.

Sophisticated design
Ribbon cables(exclu.MB20+4PIN) give any systems a neat and polished look.



Easy Installation
20+4 pin comes with length of 450mm to connect MB easily, and ribbon cables give you a hand to face mess cables in rear panel.



Low power consumption, high energy efficiency
Special design to place the bridge diodes among two EMI filters for low energy loss in Standby mode.

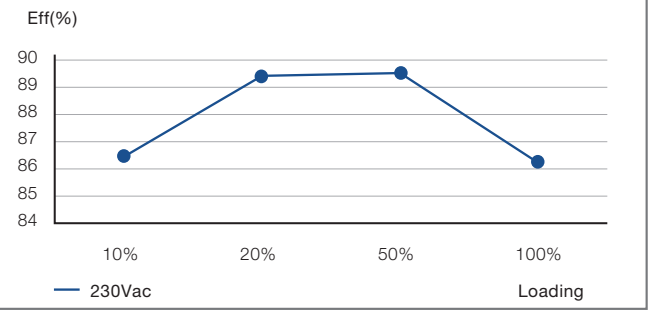
© 2015 FSP Group. All Rights Reserved. All trademarks are registered to their respective owners.

HYDRO Series

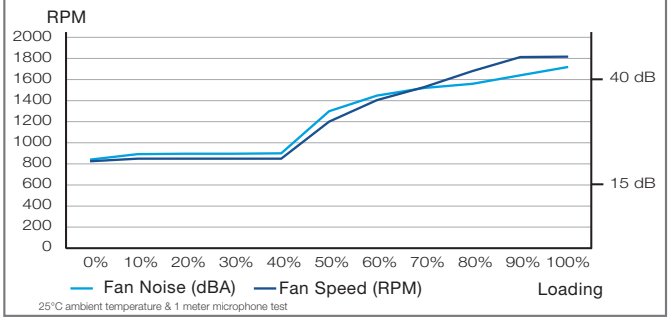
500W / 600W / 700W

Performance

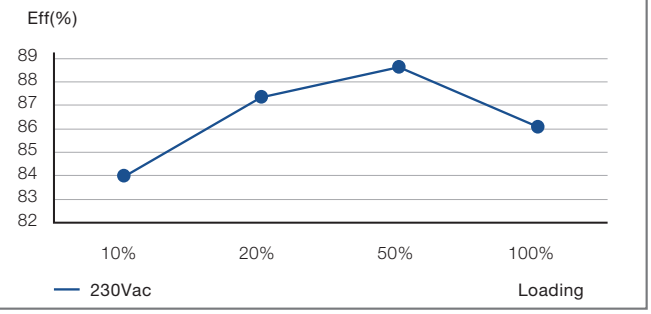
Efficiency — Hydro 700W



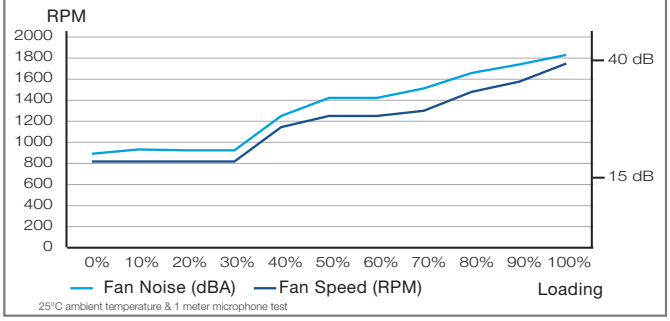
Acoustic Noise — Hydro 700W



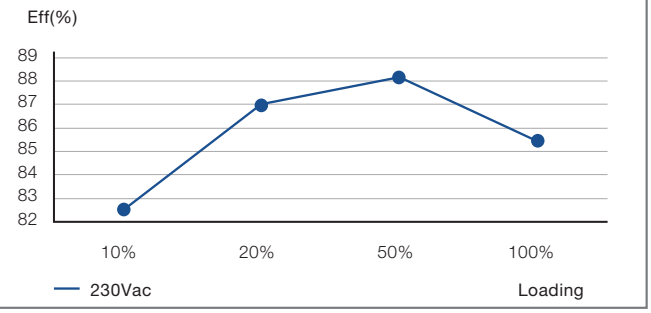
Efficiency — Hydro 600W



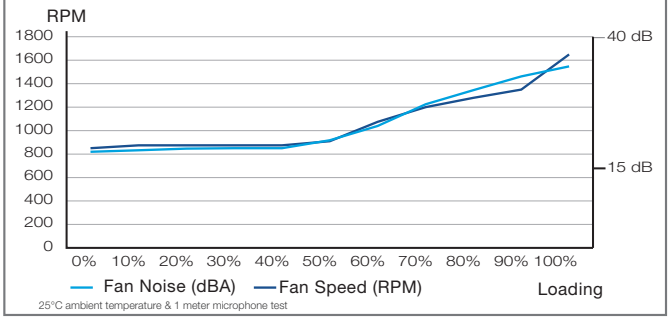
Acoustic Noise — Hydro 600W



Efficiency — Hydro 500W



Acoustic Noise — Hydro 500W



© 2015 FSP Group. All Rights Reserved. All trademarks are registered to their respective owners.

HYDRO Series

500W / 600W / 700W

Rating

700W

AC Input 交流输入	200-240Vac~ 6A 50-60Hz				
DC Output 直流输出	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current 最大电流	22A	22A	54A	0.5A	2.5A
Max Combined Power 最大功率	120W		648W	6W	12.5W
Total Power 额定功率	700W (at 40°C)				

600W

AC Input 交流输入	200-240Vac~ 5A 50-60Hz				
DC Output 直流输出	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current 最大电流	22A	22A	46A	0.5A	2.5A
Max Combined Power 最大功率	120W		552W	6W	12.5W
Total Power 额定功率	600W (at 40°C)				

500W

AC Input 交流输入	200-240Vac~ 4A 50-60Hz				
DC Output 直流输出	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current 最大电流	20A	20A	38A	0.5A	2.5A
Max Combined Power 最大功率	110W		456W	6W	12.5W
Total Power 额定功率	500W (at 40°C)				

© 2015 FSP Group. All Rights Reserved. All trademarks are registered to their respective owners.

HYDRO Series

500W / 600W / 700W

Specifications

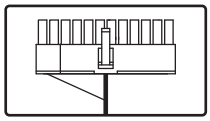
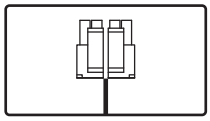
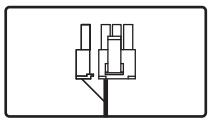
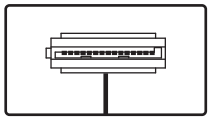
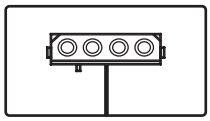
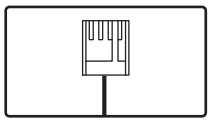
	500W	**600W**	**700W**
Model	HD500	HD600	HD700
Type	ATX	ATX	ATX
PFC	Active PFC	Active PFC	Active PFC
Input Voltage	200V-240V	200V-240V	200V-240V
Input Current	4A	5A	6A
Input Frequency	50-60Hz	50-60Hz	50-60Hz
Output Capacity	500W	600W	700W
Max. Output Power	500W	600W	700W
Fan Type	Sleeve Fan, 120mm	Sleeve Fan, 120mm	Sleeve Fan, 120mm
Efficiency	88%	88%	88%
MTBF	100,000 Hrs	100,000 Hrs	100,000 Hrs
Protection	OCP, OVP, SCP, OPP	OCP, OVP, SCP, OPP	OCP, OVP, SCP, OPP
Weight	1.88 kg	1.88 kg	1.7 kg
Dimension(L×W×H)	150 × 150 × 86 mm	150 × 150 × 86 mm	150 × 150 × 86 mm

© 2015 FSP Group. All Rights Reserved. All trademarks are registered to their respective owners.

HYDRO Series

500W / 600W / 700W

Connectors

	500W	600W	700W
 20+4 PIN	1	1	1
 4+4 PIN	1	1	1
 6+2 PIN	2	4	4
 SATA	7	11	11
 MOLEX	3	6	6
 FLOPPY	1	2	2

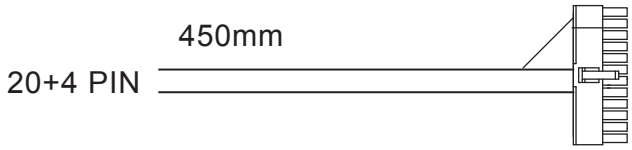
© 2015 FSP Group. All Rights Reserved. All trademarks are registered to their respective owners.

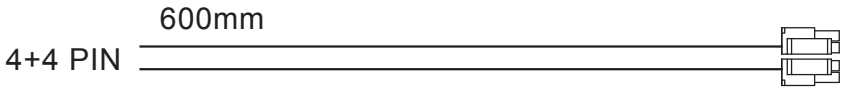
HYDRO Series

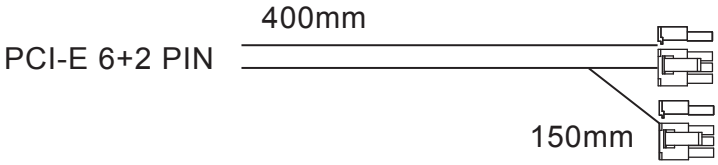
500W / 600W / 700W

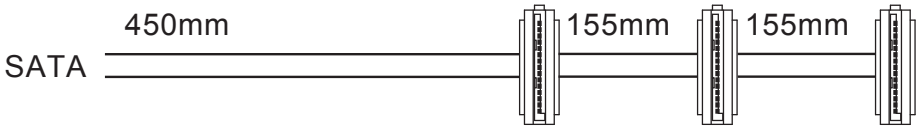
Cable Length

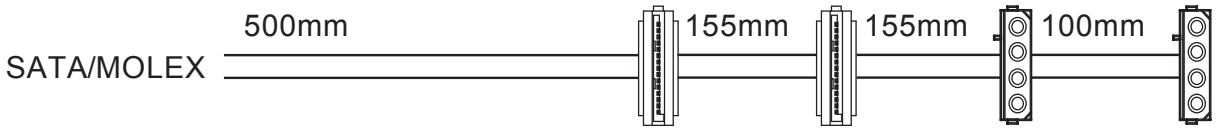
500W

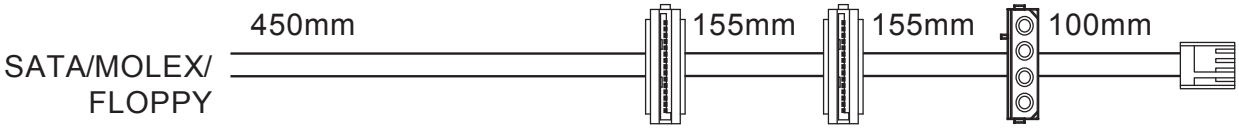












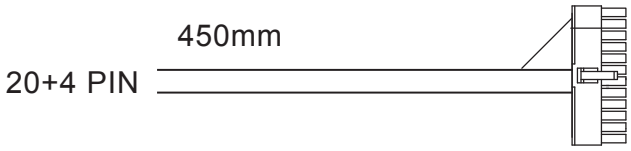
© 2015 FSP Group. All Rights Reserved. All trademarks are registered to their respective owners.

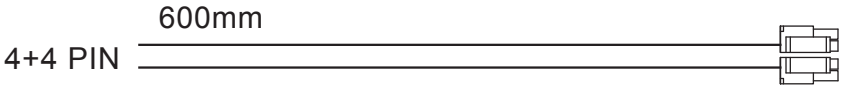
HYDRO Series

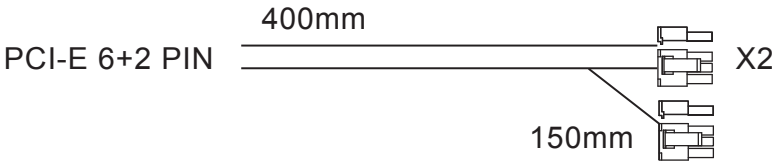
500W / 600W / 700W

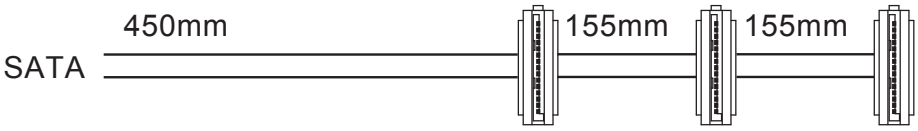
Cable Length

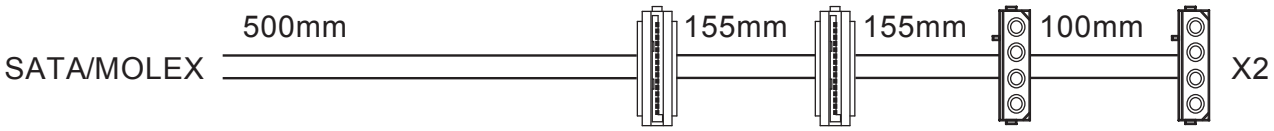
600W/700W

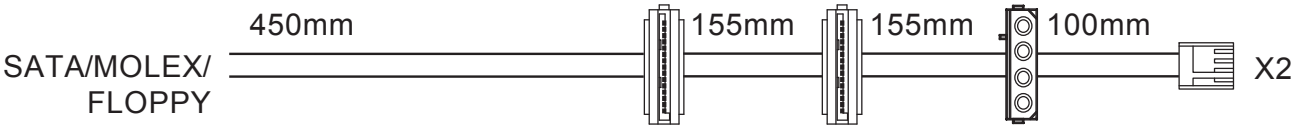












© 2015 FSP Group. All Rights Reserved. All trademarks are registered to their respective owners.

HYDRO Series

500W / 600W / 700W

Package Information

Model	HD500	HD600	HD700
EAN Code	471114048973 5	471114048974 2	471114048975 9
UPC Code	84568500779 7	84568500780 3	84568500781 0
Shipping Dimensions (L×W×H)	298 × 218 × 99 mm		
Shipping Weights	2.23kg	2.42kg	2.42kg
Master Pack Dimension (L×W×H)	539 × 250 × 323 mm		
Master Pack Quantity	5 retail boxes per master package		
Master Pack Weight	11.15kg	21.10kg	21.10kg
Pallet Quantity	200 (5 retail boxes × 40 master boxes)		
Country of Origin	China		
Warranty	5 Years		
Additional Information	700W http://www2.fsplifestyle.com/home/product.php?rKey=P163000553 600W http://www2.fsplifestyle.com/home/product.php?rKey=P163000554 500W http://www2.fsplifestyle.com/home/product.php?rKey=P163000555		

© 2015 FSP Group. All Rights Reserved. All trademarks are registered to their respective owners.