



HYDRO PT Series

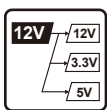
550W / 650W / 750W



Introduction

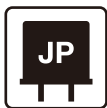
FSP new PSU-Hydro PT series has 80 PLUS® Platinum certification, and features DC-DC module design. It offers good overall performance and thanks to its FDB fan and Japanese electrolytic capacitors its reliability should be excellent as well. It is the ultimate design for gaming enthusiast and overclocker ever!

Features



DC – DC Module Design

Provide supreme efficiency and voltage stability



100% Japan-made E-cap

Reliable power and prolonged life span



Ribbon Cable

Give any systems a neat and polished look (Black-sleeved cable for 24 pin)

- Unique product ID with changeable side stickers for DIY enthusiasts and gamers
- Intelligent fan speed control circuit design
- Advanced thermal layout design
- Complies with newest ATX12 v2.4 & EPS12 v2.92 standards
- High efficiency $\geq 92\%$
- Active PFC $\geq 99\%$
- High Wattages with 80PLUS® Platinum Certification
- Powerful +12V single rail design
- Ribbon cables for the need of enthusiasts and gamers
- Full Japan-made electrolytic capacitors
- Support 6+2 pin PCI-Express Connectors
- Quiet and Long-Lasting 135mm FDB Fan
- Complete Protections: OCP, OVP, SCP, OPP, UVP, OTP
- Global Safety Approved

Product Overview



Ribbon Cable Design

Neat build and easy installation, enhance cooling performance.

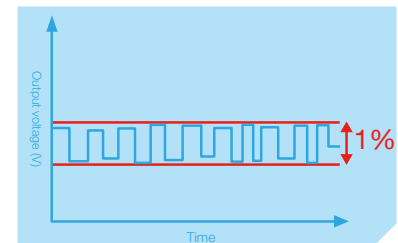


100% Japan-made E-cap

Reliable power and prolonged life span.

Unique dissymmetry ID and vent-hole design

To minimize fan speed and acoustic from turbulence.



Special heat sink design for 12V switching circuit

A new heat dissipation design that conducts heat through a thermal pad on the bottom of the power supply, transforming the whole PSU chassis into a heat-sink and cooled by system airflow.

Extremely Tight Voltage Regulation

Custom VR (Variable Resistor) design to control the balanced point of +12V rail to make sure the output voltage regulation is under +/- 1% under any load change.

DC – DC Module Design

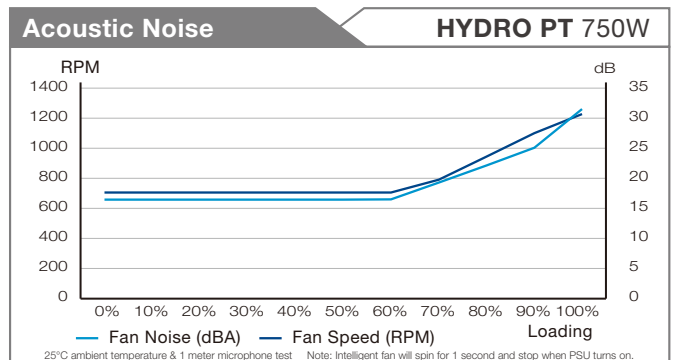
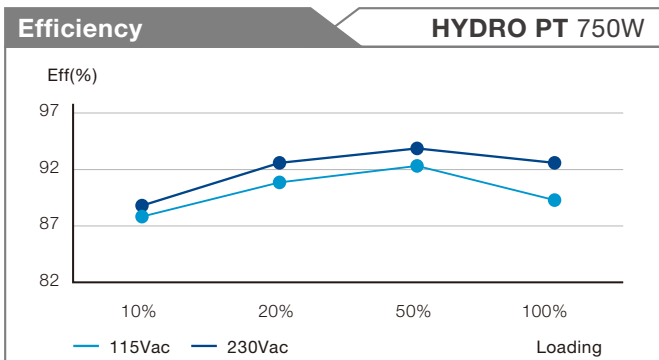
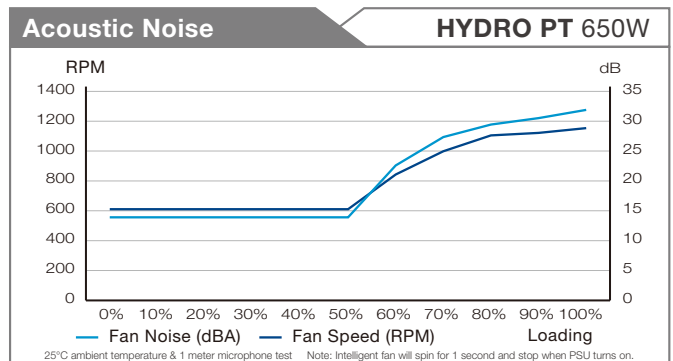
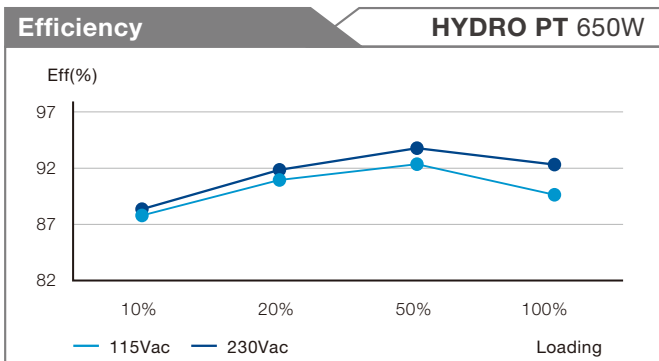
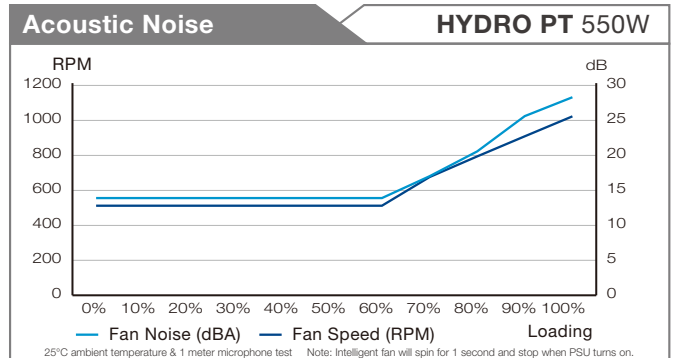
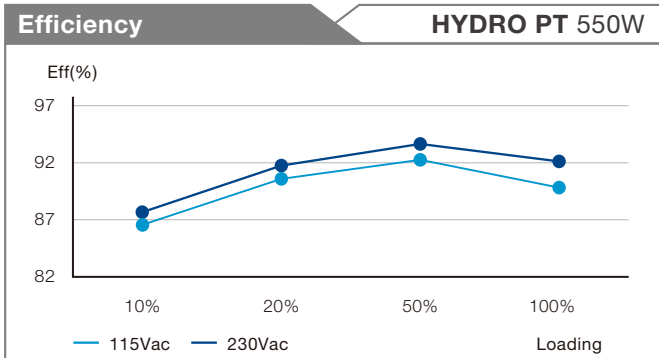
Both of +3.3V and +5V DC-DC module combined +12V SR circuit offers supreme efficiency, voltage stability, and high system compatibility especially in cross regulation (unbalance load) mode.



Changeable stylish side stickers

For DIY enthusiasts and gamers.

Performance





HYDRO PT Series

550W / 650W / 750W




Rating

550W	AC Input	100-240Vac~ 8-4A 60-50Hz				
	DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current	20A	20A	45.84A	0.3A	2.5A
	Max Combined Power	120W		550W	3.6W	12.5W
	Total Power	550W				

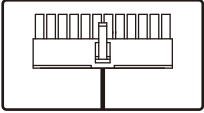
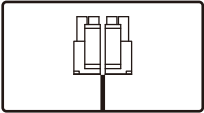
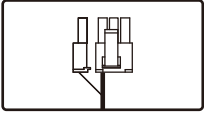
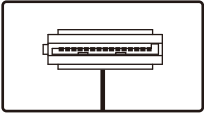
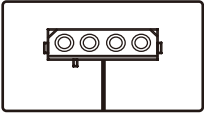
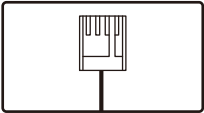
650W	AC Input	100-240Vac~ 10-5A 50-60Hz				
	DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current	20A	20A	54.17A	0.3A	2.5A
	Max Combined Power	120W		650W	3.6W	12.5W
	Total Power	650W				

750W	AC Input	100-240Vac~ 10-5A 50-60Hz				
	DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current	20A	20A	62.5A	0.3A	2.5A
	Max Combined Power	120W		750W	3.6W	12.5W
	Total Power	750W				

Specifications

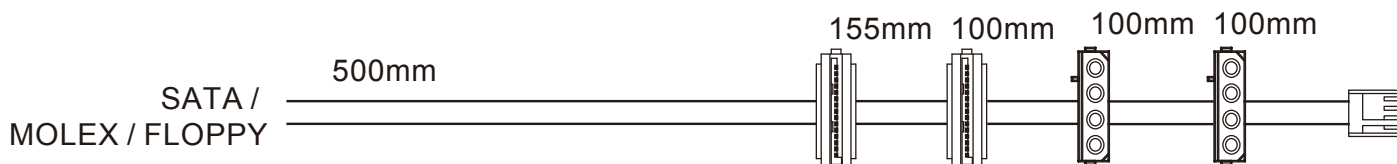
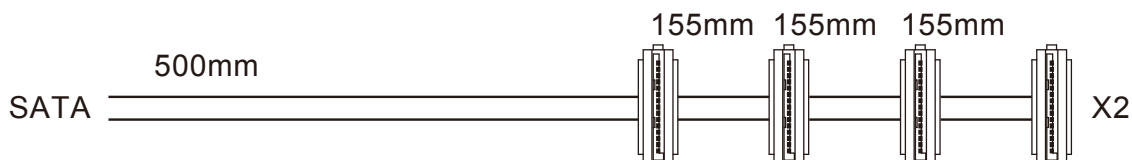
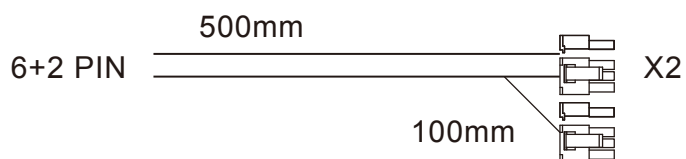
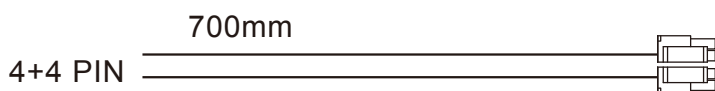
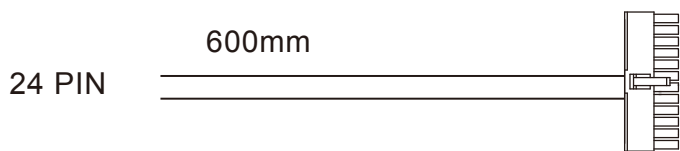
			
Model	HPT550	HPT650	HPT750
Type	ATX	ATX	ATX
PFC	Active PFC	Active PFC	Active PFC
Input Voltage	100-240Vac	100-240Vac	100-240Vac
Input Current	8-4A	10-5A	10-5A
Input Frequency	60/50Hz	60/50Hz	60/50Hz
Output Capacity	550W	650W	750W
Max. Output Power	550W	650W	750W
Fan Type	FDB Fan, 135mm	FDB Fan, 135mm	FDB Fan, 135mm
Efficiency	>92%	>92%	>92%
MTBF	100,000 Hrs	100,000 Hrs	100,000 Hrs
Protection	OCP, OVP, SCP, OPP, UVP, OTP	OCP, OVP, SCP, OPP, UVP, OTP	OCP, OVP, SCP, OPP, UVP, OTP
Weight	2.17kg	2.17kg	2.17kg
Dimension(L×W×H)	150 x 170 x 86 mm	150 x 170 x 86 mm	150 x 170 x 86 mm

Connectors

	550W	650W	750W
 24 PIN	1	1	1
 4+4 PIN	1	1	2
 6+2 PIN	4	4	4
 SATA	10	10	10
 MOLEX	2	2	2
 FLOPPY	1	1	1

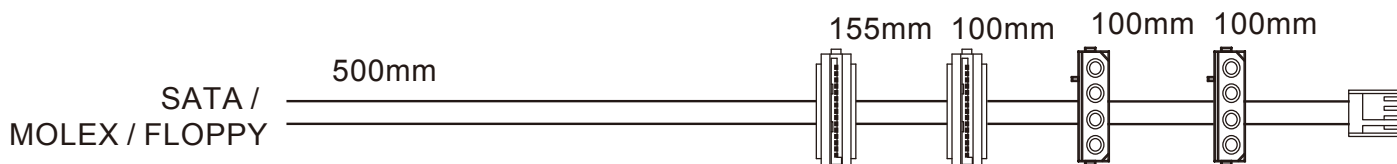
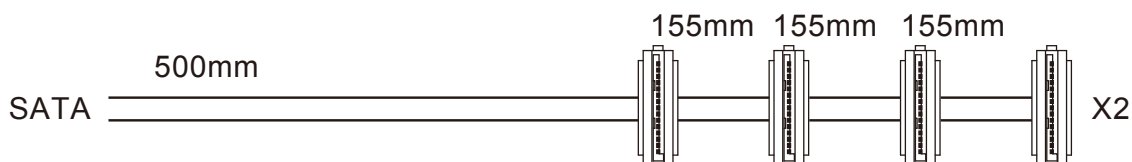
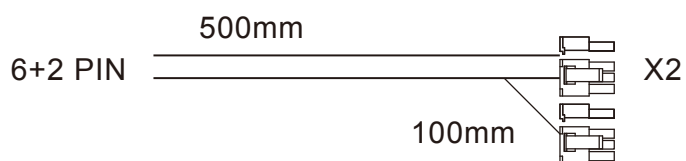
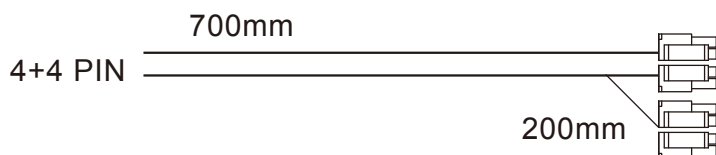
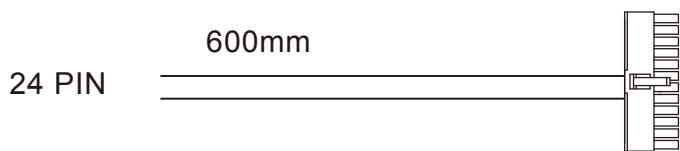
Cable Length

550W / 650W



Cable Length

750W





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550W / 650W / 750W

Package Information

Model	HPT550	HPT650	HPT750
EAN Code	4713224520402	4713224520419	4713224520426
UPC Code	845685008947	845685008954	845685008961
Shipping Dimensions (L×W×H)	298 × 218 × 99 mm		
Shipping Weights			
Master Pack Dimension (L×W×H)	539 × 250 × 323 mm		
Master Pack Quantity	5 retail boxes per master package		
Master Pack Weight			
Pallet Quantity	200 (5 retail boxes × 40 master boxes)		
Country of Origin	China		
Warranty	10 Years		
Additional Information			