



RAIDER II Series

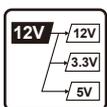
450W / 550W / 650W / 750W



Introduction

The reappearing glory of RAIDER II series stands for the needs of PC DIY enthusiasts and gamers with high performance and efficiency. RAIDER II are 80 PLUS Silver certified, powerful single +12V rail design and built with premium components, to provide excellent quiet performance. With all Japan-made e-cap., they're providing extremely stability and reliability. Custom DC-DC module offers supreme efficiency and high system compatibility. FSP RAIDER II series, be your best choice of power supply.

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)

- Complies with newest ATX12V & EPS12V standards
- 80PLUS® Silver certified
- Efficiency \geq 88%
- Full Japan-made electrolytic capacitors
- Powerful single +12V rail design
- Ribbon cables for the need of enthusiasts and gamers
- 120mm quiet fan
- Active PFC, power factor \geq 99%
- Complete protection: OCP, OVP, SCP, OPP, OTP
- Intel Skylake ready
- Global safety approved



RAIDER II Series

450W / 550W / 650W / 750W

Product Overview - 450W / 550W



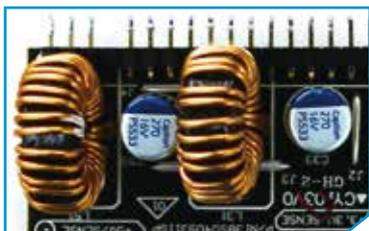
Low noise

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



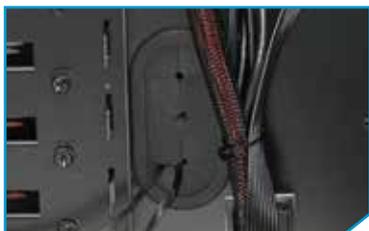
Sophisticated design

Ribbon cables give any systems a neat and polished look.



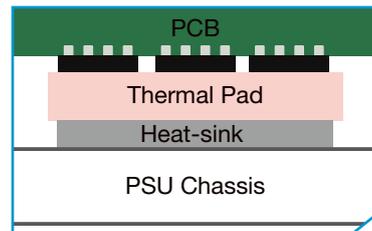
DC – DC Module Design

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.



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.



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.



RAIDER II Series

450W / 550W / 650W / 750W

Product Overview - 650W / 750W



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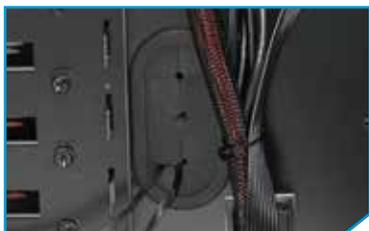
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Easy Installation

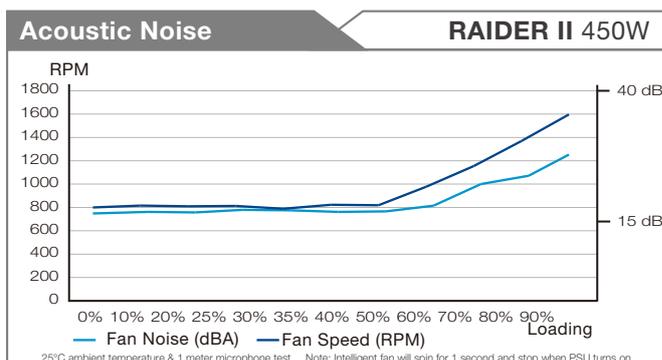
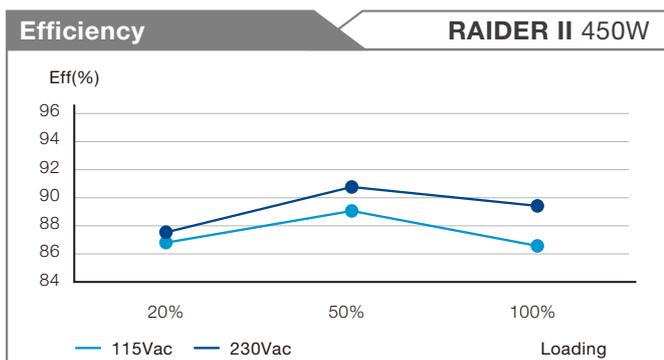
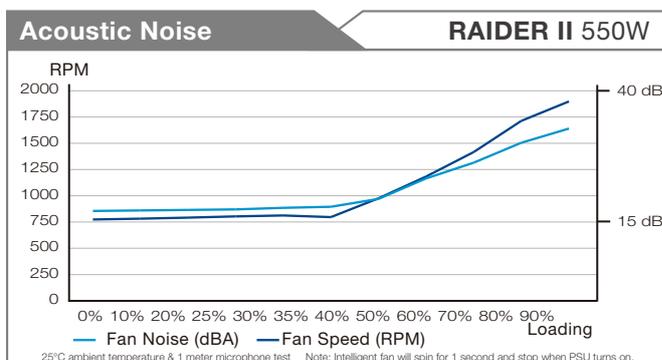
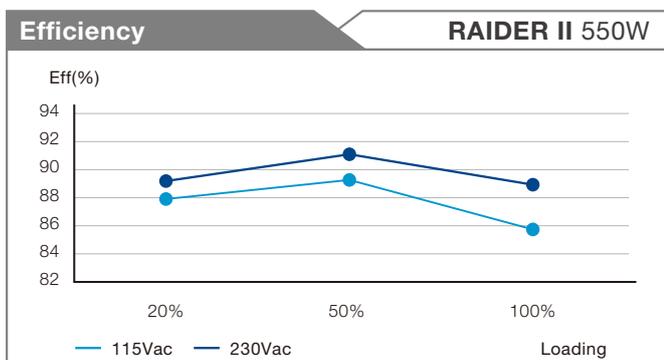
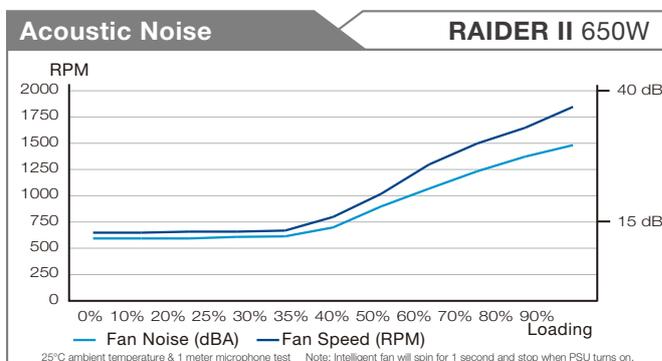
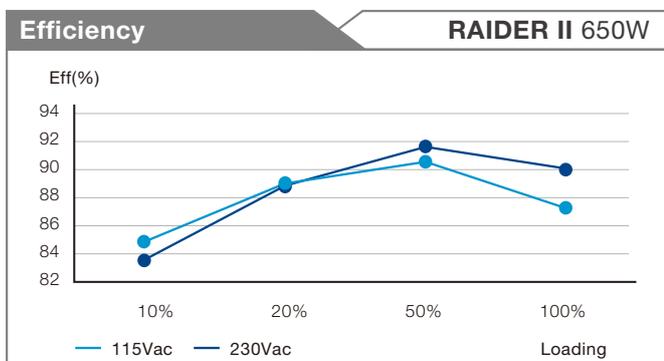
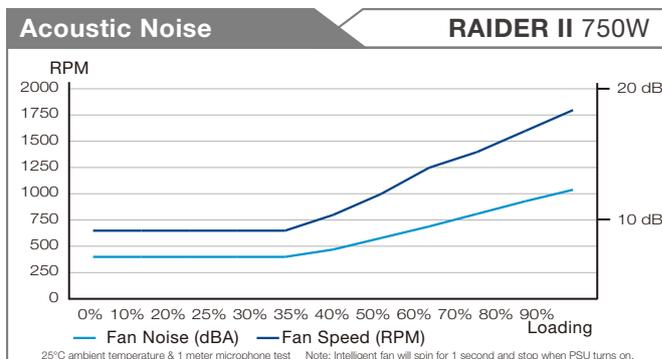
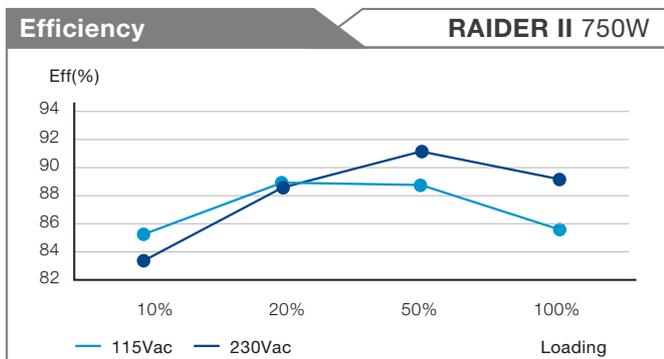
20+4 pin comes with length of 450mm to connect MB easily, and ribbon cables give you a hand to face mess cables in rear panel.



MIA IC™ Chip Set (Multiple Intelligence Ability)

FSP's own patented designs to provide ultimate performance & highest protection to your system.

Performance





RAIDER II Series

450W / 550W / 650W / 750W

Rating

750W	AC Input 交流输入	100-240Vac~ 10-5A 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	130W		750W	3.6W	12.5W
	Total Power 额定功率	750W				

650W	AC Input 交流输入	100-240Vac~ 10-5A 50-60Hz				
	DC Output 直流输出	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current 最大电流	20A	20A	54.17A	0.3A	2.5A
	Max Combined Power 最大功率	130W		650W	3.6W	12.5W
	Total Power 额定功率	650W				

550W	AC Input 交流输入	100-240Vac~ 8-4A 50-60Hz				
	DC Output 直流输出	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current 最大电流	20A	20A	45.84A	0.3A	3.5A
	Max Combined Power 最大功率	100W		550W	3.6W	12.5W
	Total Power 额定功率	550W				

450W	AC Input 交流输入	100-240Vac~ 8.5-4A 50-60Hz				
	DC Output 直流输出	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current 最大电流	20A	20A	37.5A	0.3A	2.5A
	Max Combined Power 最大功率	100W		450W	3.6W	12.5W
	Total Power 额定功率	450W				

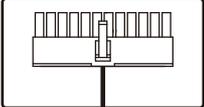
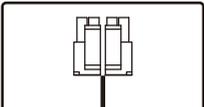
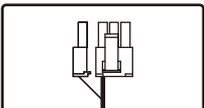
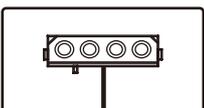
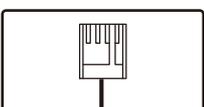
Specifications

		
	450W	550W
Model	RA2-450	RA2-550
Type	ATX	ATX
PFC	Active PFC	Active PFC
Input Voltage	100-240Vac	100-240Vac
Input Current	8-4A	8-4A
Input Frequency	60/50Hz	60/50Hz
Output Capacity	450W	550W
Max. Output Power	450W	550W
Fan Type	Sleeve Fan, 120mm	Sleeve Fan, 120mm
Efficiency	>88%	>88%
MTBF	100,000 Hrs	100,000 Hrs
Protection	OCP, OVP, SCP, OPP, OTP	OCP, OVP, SCP, OPP, OTP
Weight	1.439kg	1.46kg
Dimension(L×W×H)	150 × 140 × 86 mm	150 × 140 × 86 mm

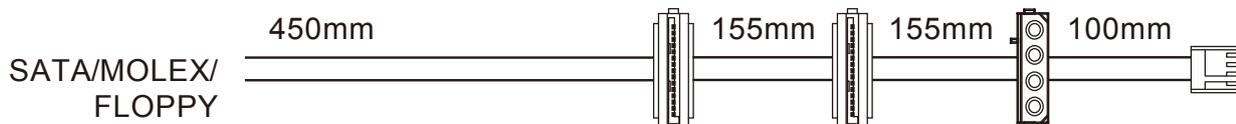
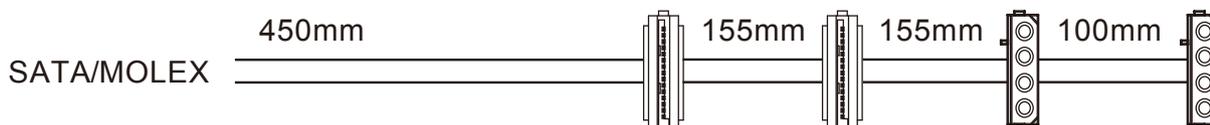
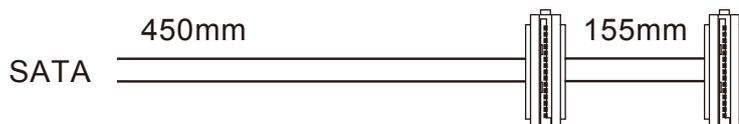
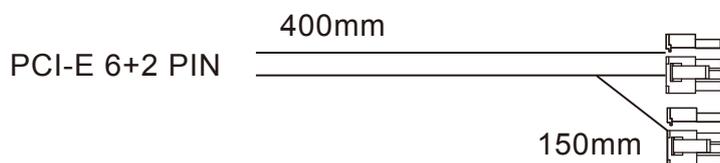
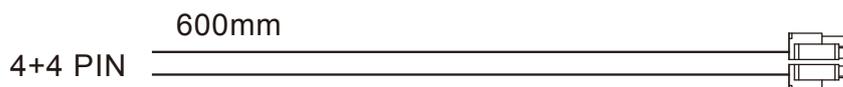
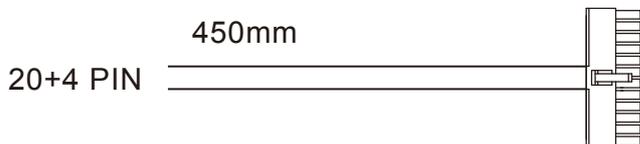
Specifications

		
	650W	750W
Model	RA2-650	RA2-750
Type	ATX	ATX
PFC	Active PFC	Active PFC
Input Voltage	100-240Vac	100-240Vac
Input Current	10-5A	10-5A
Input Frequency	60/50Hz	60/50Hz
Output Capacity	650W	750W
Max. Output Power	650W	750W
Fan Type	Sleeve Fan, 120mm	Sleeve Fan, 120mm
Efficiency	>88%	>88%
MTBF	100,000 Hrs	100,000 Hrs
Protection	OCP, OVP, SCP, OPP, OTP	OCP, OVP, SCP, OPP, OTP
Weight	1.836kg	1.848kg
Dimension(L×W×H)	150 × 140 × 86 mm	150 × 140 × 86 mm

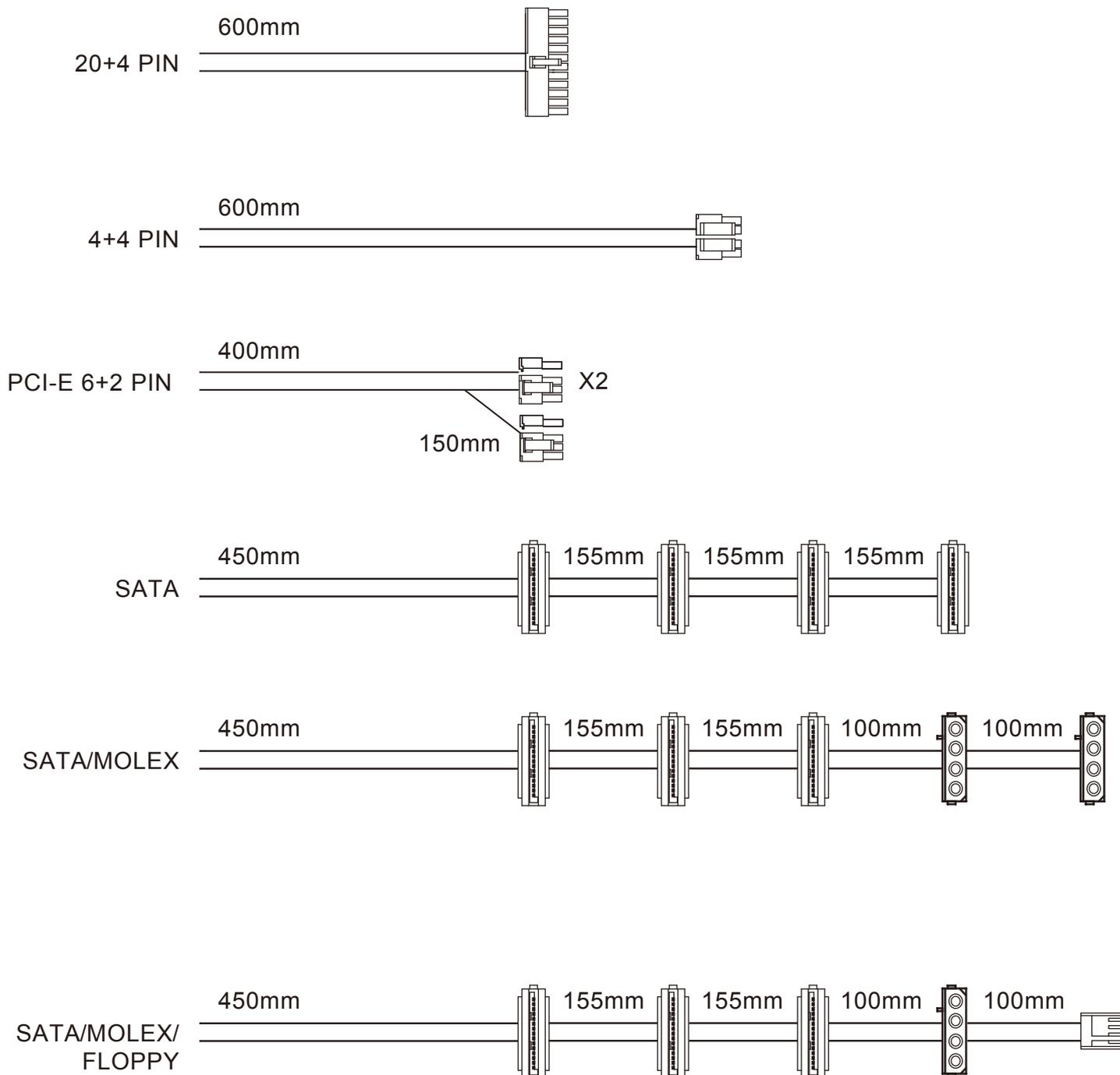
Connectors

	450W	550W	650W	750W
 20+4 PIN	1	1	1	1
 4+4 PIN	1	1	1	1
 6+2 PIN	2	2	4	4
 SATA	7	7	10	10
 MOLEX	3	3	3	3
 FLOPPY	1	1	1	1

Cable Length - 450W / 550W



Cable Length - 650W / 750W





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Package Information

Model	RA2-450	RA2-550
EAN Code	4711140480053	4711140480060
UPC Code	845685008596	845685008602
Shipping Dimensions (L×W×H)	298 × 218 × 99 mm	
Shipping Weights	2.21 kg	2.22 kg
Master Pack Dimension (L×W×H)	539 × 250 × 323 mm	
Master Pack Quantity	5 retail boxes per master package	
Master Pack Weight	11.06 kg	11.12 kg
Pallet Quantity	200 (5 retail boxes × 40 master boxes)	
Country of Origin	China	
Warranty	5 Years	
Additional Information		

Model	RA2-650	RA2-750
EAN Code	4711140480077	4711140480084
UPC Code	845685008619	845685008626
Shipping Dimensions (L×W×H)	298 × 218 × 99 mm	
Shipping Weights	2.59 kg	2.61 kg
Master Pack Dimension (L×W×H)	539 × 250 × 323 mm	
Master Pack Quantity	5 retail boxes per master package	
Master Pack Weight	12.94 kg	13.05 kg
Pallet Quantity	200 (5 retail boxes × 40 master boxes)	
Country of Origin	China	
Warranty	5 Years	
Additional Information		

Media Review

Media	Award	Review Link
ECM France		https://elladanstestco.wordpress.com/2017/03/03/fsp-raider-ii-750w/
Conseil Config France		http://www.conseil-config.com/2017/test-fsp-raider-ii-750/
MacFay- hardware France		http://www.macfay-hardware.fr/?p=3795&page=6
Cowcotland France		https://www.cowcotland.com/articles/2177-4/test-alimentation-fsp-raider-ii-750-watts.html
ZeDen France		http://www.zeden.net/actu/24208-test-FSP-raider-II-750-review-zeden/6