Twins (500/700W)

fsp-europe.com/twins-500700w/





Twins



Twins redundant



Twins colorbox



Twins ensembled in tower



Twins case front



Twins case back

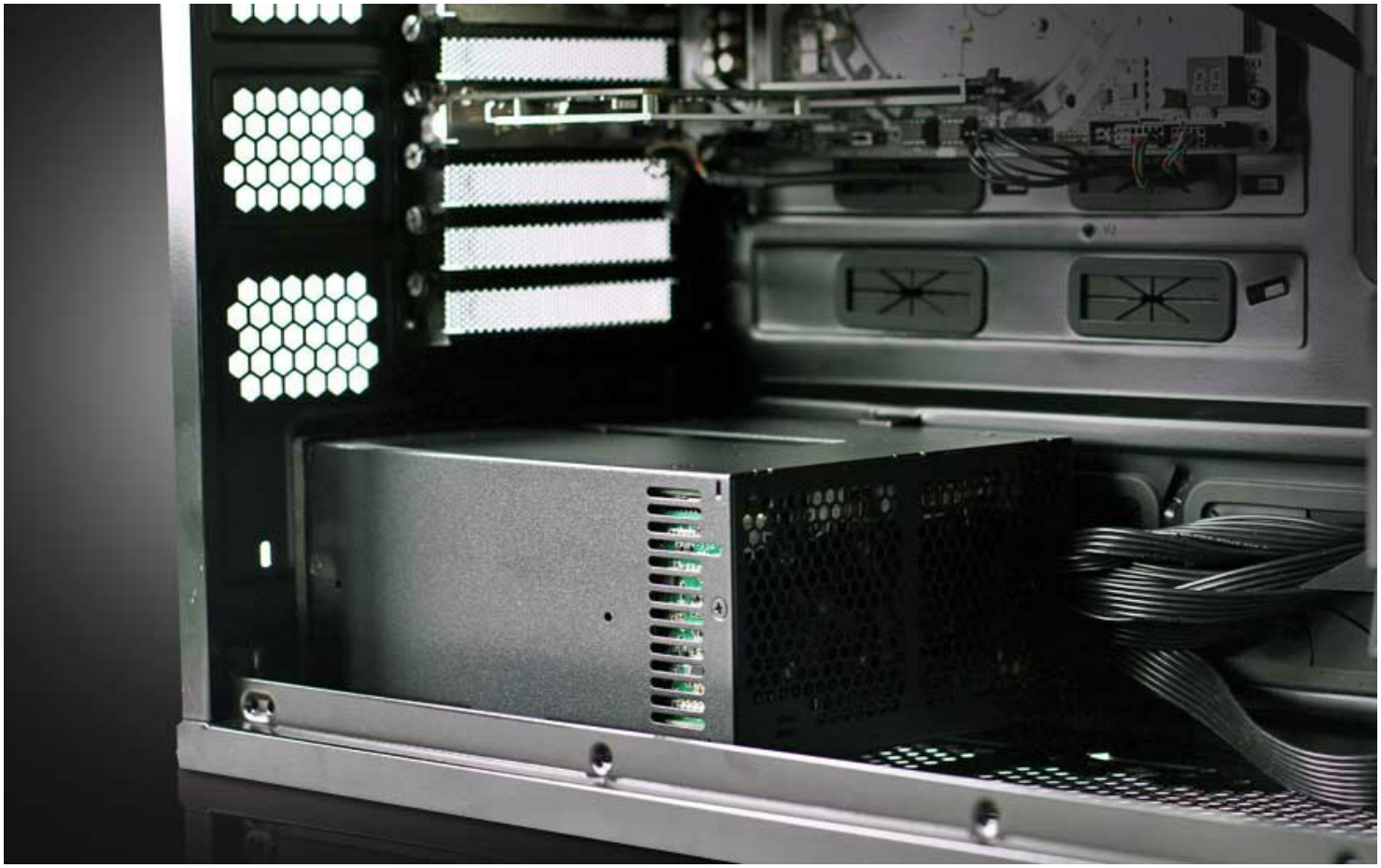
All	All

Twins series, a redundant power supply, is designed for standard ATX or PS2 chassis, no front end bracket needed, ideal for mail, web or home server. Hot swappable modules design provides stable power supply: when one fails, the other can take over the load immediately.Thus users do not need to worry about any server/PC power off situation.

Features:

- ATX PS2 redundant size, no front end bracket needed, ideal for mail, web and home server
- Digital-controlled power supply design can be monitored by “FSP Guardian” software
- Hot swappable modules design and no worry about server/PC power off when one of modules failure
- Complete protection: over current protection, short circuit protection, over voltage protection, fan failure protection
- Alarm guard design by smart power supply status LED indicator
- 80 PLUS® 230V Internal Gold Certification
- Complies with ATX 12V and EPS 12V standards
- Flat ribbon cables, ideal solution for applications with space constraint issue

Server-grade & Stable Power Supply Provider



Twins ensembled in tower

Different from the general power supply units, Twins series is a redundant power supply unit with two power modules. In normal situation, these two power modules will automatically share the load for optimum efficiency; while one fails, the other module will immediately take over the whole load.

That is redundant power supply is usually used in industrial data centers's sever or banking computer systems. Twins can guarantee your PC system under a stable power supply situation.

Hot Swappable Modules Design



When a power module fails and the redundant unit takes over immediately, the damaged one can be replaced without stopping the operation. No need to worry about the risk of data disappearance or the disruption of system.

80 Plus® Gold Certification



Twins Series is a power supply with 80 PLUS® 230V Internal Gold Certification that guarantees to operate at a minimum of 90% efficiency at 50% load of PSU rated power and as a result to reduce lots of electricity cost.

FSP Intelligent Monitor Software



Users can use FSP Guardian software to monitor power input, power output, efficiency, and other internal records in real time and get the historical data within 30 days. When power input or output reaches the warning points during the process , FSP Guardian will immediately shows warning message to remind the latest situation of Twins.

DOWNLOAD FSP Guardian Software here

Ideal for Home or Business Server



Twins series is an ATX size redundant power supply, without front end bracket, it is compatible for most PS2 chassis. It is an ideal power supply unit solution for startups, small and medium-sized businesses web or mail server systems, semi-industrial application. It is also the best power supply unit for intelligent home computer station.





Black Ribbon Cable Design

Easy install avoids cables becoming messy, saves the chassis' inner space, lets the airflow smooth, enhances the heat emission effect and finally extends the life span of each component.

DC to DC Module Design

+12V SR circuit, combining both +3.3V and +5V DC-DC modules, offers supreme efficiency, voltage stability and high system compatibility especially in cross regulation (unbalanced load) mode



Connector Table:

Connector Type	Connector Illustration	Twins 500	Twins 700
ATX12V 24 Pin		1	1
ATX12V 20+4 Pin		-	-
CPU 8 Pin		-	-
CPU 4+4 Pin		2	2
CPU 4 Pin		-	-
PCI-E 2.0 6+2 (8) Pin		2	2
PCI-E 2.0 6 Pin		-	-
S-ATA		6	6
Molex 4 Pin		2	2
Floppy 4 Pin		1	1
Fan 2 Pin		-	-

Specifications:

Model	Frame: FSP500-70RGHBB1 Single Module: FSP520-20RGGBB1	Frame: FSP700-50RGHBE1 Single Module: FSP720-20RGGBE1
Type	PS2 ATX Redundant	
Effeciency	>90%	
Input Voltage	100 ~ 240Vac	
Input Current	8-4A	
Frequency	50 ~ 60Hz	
PFC	Active PFC	

Power Provided	500W	700W
Over-Current Protection		
Over-Voltage Protection		
Short-Circuit Protection		
Fan Failure Protection		
Case Color	Black	
Chassis Fan	Dual ball bearing fan, 40 mm	
Noise		
Form Factor		
Safety Approval	CB / TUV/ FCC / UL / CCC	
Dimensions (LxWxH) mm	190 x 150 x 86	

Power Output Table:

500W	FSP500-70RGHBB1						
AC Input	100-240V~, 8-4A, 60-50Hz						
DC Output	+3.3V	+5V	+12V1	+12V2	+12V3	-12V	+5Vsb
Max Output Current	20A	20A	16A	16A	16A	0.5A	3A
Max Combined Power	130W						
Total Power	500W						

Single Module Model No.:	FSP520-20RGGBB1	
DC Output	+12V⎓43.3A	+5Vsb⎓3.0A
Total Power	520W	

700W	FSP700-50RGHBE1						
AC Input	100-240V~, 10-5A, 60-50Hz						
DC Output	+3.3V	+5V	+12V1	+12V2	+12V3	-12V	+5Vsb
Max Output Current	20A	20A	17A	17A	17A	0.5A	3A
Max Combined Power	130W						
Total Power	700W						

Single Module Model No.:	FSP720-20RGGBE1	
DC Output	+12V⎓60.0A	+5Vsb⎓3.0A
Total Power	720W	

Product Video:



EAN-Code:

Twins 500W	Twins 700W
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