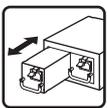




## Introduction

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



### Hot Swappable Modules

No worry about power off



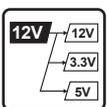
### FSP Guardian

User Interface Software  
Monitoring real status immediately



### Ribbon Cable

Space-saving installation



### DC to DC Module Design

Providing high efficient, stable power

- 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

## Product Overview

### Built-in hot swappable modules

When a component fails and the redundant unit takes over, the bad one can be replaced without stopping the operation.

### Stable power supply provider

Different from PC power supply, during normal operation, the two modules share the load for optimum efficiency; while one fails, the other will immediately take over the whole load to guarantee the system under a stable power supply situation.



### Ideal for home, mail or web server system

Twins series is an ATX PS2 size redundant. Without front end bracket, it is an ideal power supply for a home cloud server system or small and medium-sized enterprises' (SMEs') web server or mail server system.

## User Interface

### FSP Guardian Software

Desktop monitoring and control software

Connect the USB of Twins 500W or 700W to a motherboard USB header, you can use FSP Guardian software to monitor power input, power output, efficiency, and other internal records in real time or get historical data within 30 days. When power input or output reaches the warning points during the process, FSP Guardian will immediately shows warning information message to remind users the latest situation of Twins 500W or 700W.



## Rating

### 500W Frame Model No.: FSP500-70RGHBB1

<b>AC Input</b>	100-240V~, 8-4A, 60-50Hz						
<b>DC Output</b>	+3.3V	+5V	+12V1	+12V2	+12V3	-12V	+5Vsb
<b>Max Output Current</b>	20.0A	20.0A	16.0A	16.0A	16.0A	0.5A	3.0A
<b>Max Combined Power</b>	130W						
<b>Total Power</b>	500W						

### Single Module Model No.: FSP520-20RGGBB1

<b>AC Input</b>	100-240V~, 8-4A, 60-50Hz	
<b>DC Output</b>	+12V $\equiv$ 43.3A	+5Vsb $\equiv$ 3.0A
<b>Total Power</b>	520W	

### 700W Frame Model No.: FSP700-50RGHBE1

<b>AC Input</b>	100-240V~, 10-5A, 60-50Hz						
<b>DC Output</b>	+3.3V	+5V	+12V1	+12V2	+12V3	-12V	+5Vsb
<b>Max Output Current</b>	20.0A	20.0A	17A	17A	17A	0.5A	3.0A
<b>Max Combined Power</b>	130W						
<b>Total Power</b>	700W						

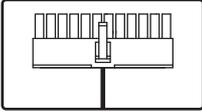
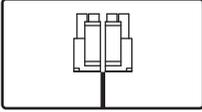
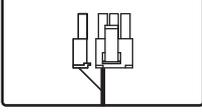
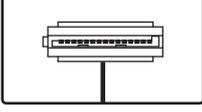
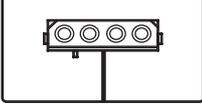
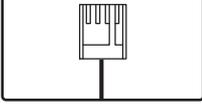
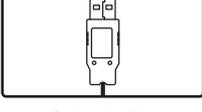
### Single Module Model No.: FSP720-20RGGBE1

<b>AC Input</b>	100-240V~, 10-5A, 60-50Hz	
<b>DC Output</b>	+12V $\equiv$ 60.0A	+5Vsb $\equiv$ 3.0A
<b>Total Power</b>	720W	

## Specifications

		
Model	Frame: FSP500-70RGHBB1 Single Module: FSP520-20RGGBB1	Frame: FSP700-50RGHBE1 Single Module: FSP720-20RGGBE1
Type	PS2 ATX Redundant	PS2 ATX Redundant
PFC	Active PFC	Active PFC
Input Voltage	100-240 Vac	100-240 Vac
Input Current	8-4A	10-5A
Input Frequency	60-50 Hz	60-50 Hz
Output Capacity	500W	700W
Max. Output Power	500W	700W
Fan Type	Dual ball bearing fan, 40 mm	
Efficiency	90%	
MTBF	100,000 Hrs.	
Protection	Over current protection, Short circuit protection, Over voltage protection, Fan failure protection, Over Power Protection, Under Voltage Protection, Over Temperature Protection	
Weight	2.954 kg ( power cord not included)	
Dimension(L×W×H)	150 x 86 x 190 cm ; 5.91 x 3.39 x 7.48 inch	

## Connectors

	500W	700W
 24 PIN	1	1
 4+4 PIN	2	2
 6+2 PIN	2	2
 SATA	6	6
 MOLEX	2	2
 FLOPPY	1	1
 USB 8 Pin	1	1

## Cable Length

### 500W / 700W

