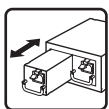




## Introduction

Twins series, a redundant power supply, is designed for standard ATX or PS2 tower 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



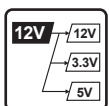
### FSP Guardian

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

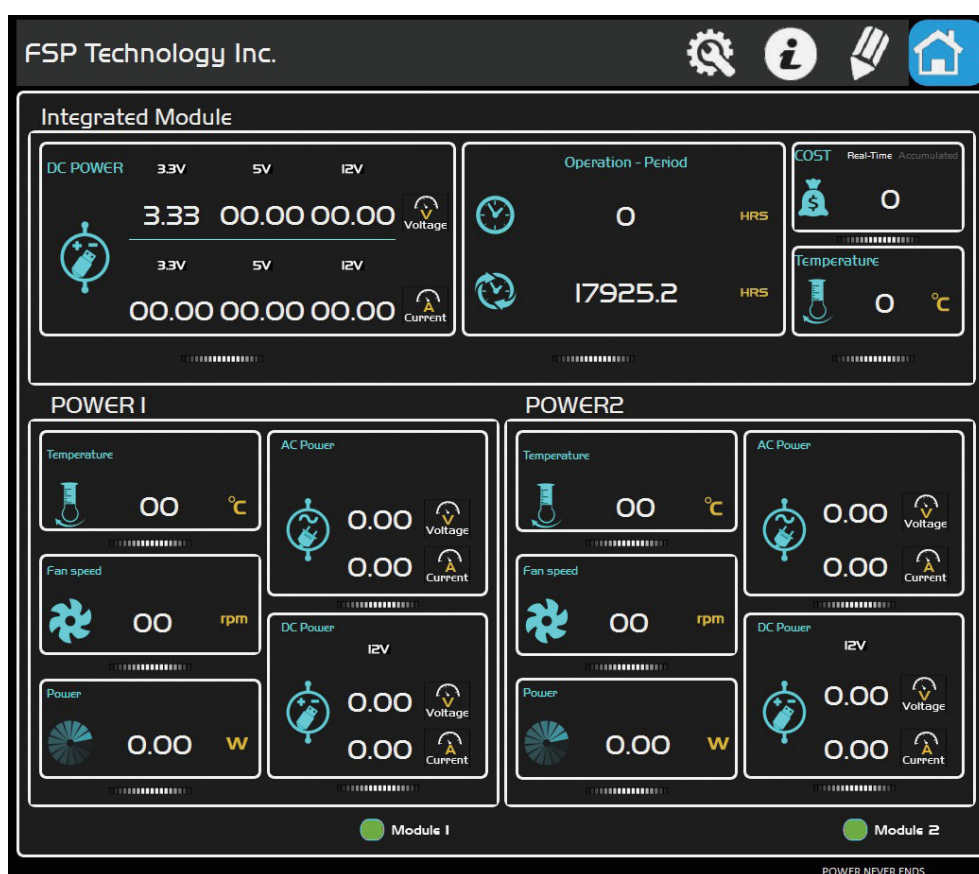
Twins series is an ATX PS2 size redundant. Without front end bracket, it is an ideal power supply for a home cloud server system or SMEs' web server or mail server system.

## 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 7 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

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

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

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



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

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

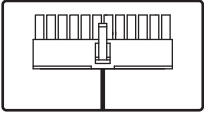
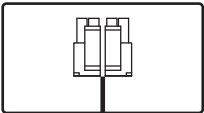
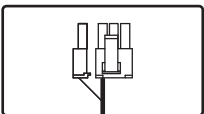

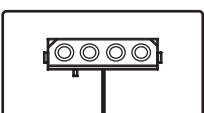
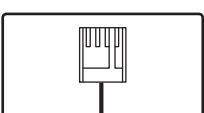
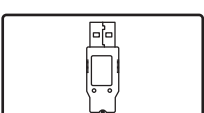
### Single Module Model No.: FSP720-20RGGBE1

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

## Specifications

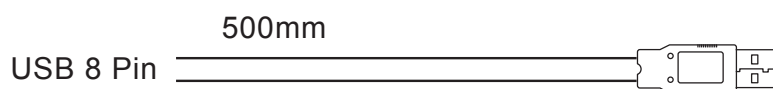
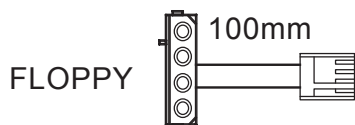
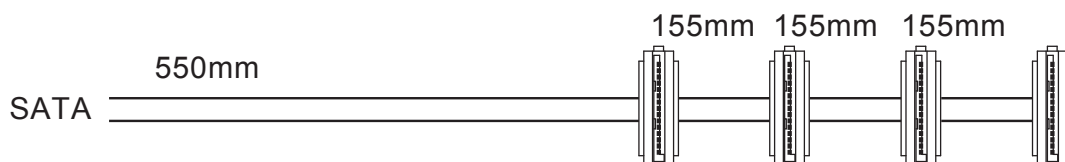
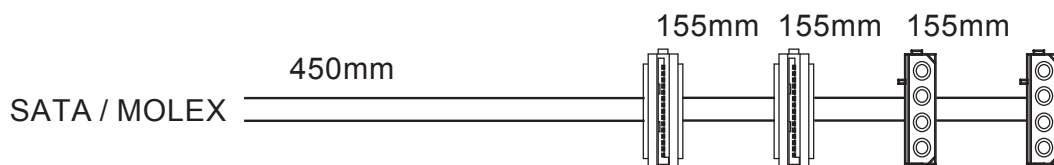
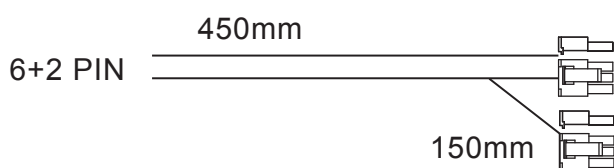
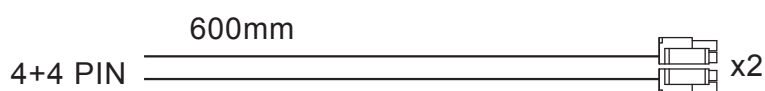
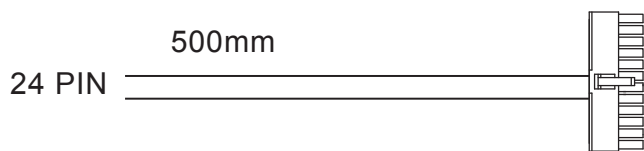
		
Model	Frame: FSP500-70RGHBB1 Single Module: FSP520-20RGGBB1	Frame: FSP700-50RGHBE1 Single Module: FSP720-20RGGBE1
Type	PS2 ATX Redundant	PS2 ATX Redundant
PFC	Active PFC	Active PFC
Input Voltage	100-240 Vac	100-240 Vac
Input Current	8-4A	10-5A
Input Frequency	60-50 Hz	60-50 Hz
Output Capacity	500W	700W
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	
Weight	2.85kg	
Dimension(L×W×H)	150 x 86 x 190 mm ; 5.91 x 3.39 x 7.48 inch	

## Connectors

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

## Cable Length

### 500W / 700W





# Twins Series

500W / 700W

## Package Information

Model	Twins 500W	Twins 700W
EAN Code	4711140483115	
UPC Code	845685004116	
Shipping Dimensions (L×W×H)		
Shipping Weights		
Master Pack Dimension (L×W×H)		
Master Pack Quantity		
Master Pack Weight		
Pallet Quantity		
Country of Origin	China	
Warranty	5 Years	
Additional Information	<a href="http://www2.fsplifestyle.com/home/product.php?rKey=P164000925">http://www2.fsplifestyle.com/home/product.php?rKey=P164000925</a>	