

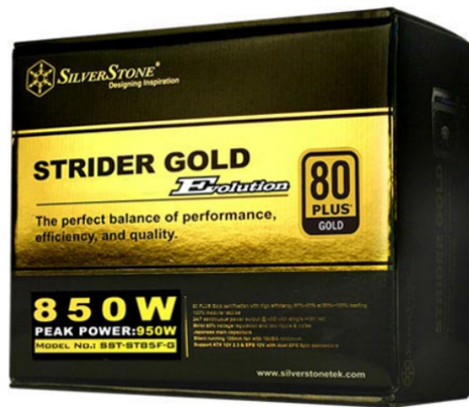


# Silverstone ST85F-G Evolution 850W 80 PLUS Gold Modular PSU

Special Price  
**\$152.99** was  
~~\$179.99~~

## Product Images





## Short Description

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To make great power supplies even better, SilverStone engineers delved into the details with the Strider Gold series.

## Description

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To make great power supplies even better, SilverStone engineers delved into the details with the Strider Gold series. In order to reduce the already low noise generated by the Strider Gold, they replaced the fan with SilverStone's own Air Penetrator, which has superb cooling ability and is equipped with fluid dynamic bearing. This allowed for reprogramming of the fan controller to enable lower fan speed at any given loading condition compared to the predecessor. Various components were also re-tested and replaced with newer versions for minor boost in efficiency and performance. An excellent [FF141](#) fan filter with magnets is even included in the package for use to reduce dust buildup.

With the fan and component upgrades, the Strider Gold Evolution series will again encompass wattage range from 750W to 1200W with 80 PLUS Gold level efficiency,  $\pm 3\%$  voltage regulation,  $\pm 3\%$  ripple & noise, and high amperage single +12V rail as its main features. For discerning users looking to get a top-notch power supply with all features covered and more, this is the perfect solution.

## Features

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- 80 PLUS Gold certification with high efficiency 88%~91% at 20%~100% loading
- Ultra silent 139mm Air Penetrator fan with fluid dynamic bearing
- [FF141](#) magnetized fan filter included
- 100% modular cables
- 850W (950W peak power) 24hour fully continuous power output with 40°C operating temperature

- Class-leading single +12V rail with 70A
- Strict  $\pm 3\%$  voltage regulation and low ripple & noise
- Japanese main capacitors
- Dual EPS 8pin with multiple PCI-E 8pin and PCI-E 6pin connectors support
- Support ATX 12V 2.3 & EPS 12V



**Remark:**

1. Design for 80 PLUS Gold level of efficiency to reduce wasted heat and save electricity.
2. 100% modular cable design for use with short cable kit such as SilverStone's PP05 or for easy removal in case with cable routed and tied down.
3. Powerful single +12V rail design, perfect for future high-end component upgrades or overclocking.
4.  $\pm 3\%$  regulation and low ripple & noise performance for high stability.
5. Ultra silent 139mm Air Penetrator fan with fluid dynamic bearing.
6. The included FF141 fan filter can help reduce dust buildup; and with its built-in magnets, it's also extremely easy to attach and remove.

Installation guide: Please make sure the fan of power supply and FF141 filter are properly aligned. The embedded magnet on FF141 can be effortlessly attached to any steel power supply.

Notice: Please make sure the chassis have enough space to accommodate with power supply and FF141.

## Specifications

Model No.	SST-ST85F-G Evolution				
Max. DC Output	850W (Peak 950W)				
Load Range					
	+3.3V	+5V	+12V1	+5VSB	-12V
Max.(Amps)	22A	25A	70A	3.5A	0.3A
Min.(Amps)	0.3A	0.3A	0.1A	0.1A	0A
Range (%)	$\pm 3\%$	$\pm 3\%$	$\pm 3\%$	$\pm 5\%$	$\pm 10\%$
Line Reg.(%)	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
Ripple(mVp-p)	50mV	50mV	120mV	50mV	120mV
combined +3.3, +5V	150W				
combined +12V	840W / 70A				

Input Voltage	90V~264V
Input Frequency Range	47Hz ~ 63Hz
PFC	Active PFC. (PF>0.95 at Full Load)
Efficiency	88%~91% at 20%~100% loading
MTBF	100,000 hours at 25°C (at Full Load)
Operating temperature	0°C ~ 40°C
Protection	Over Current Protection Over Power Protection Over Voltage Protection Over Temperature Protection Under voltage protection Short Circuit Protection No Load Protection
Connectors	1 x 24 / 20-Pin Motherboard connector (550mm) 1 x 8 / 4-Pin EPS / ATX 12V connector (750mm) 1 x 8 / 4-Pin EPS / ATX 12V connector (550mm) 2 x 8/6-Pin PCIE connector (550mm) 2 x 6-Pin PCIE connector (550mm) 8 x SATA connector (600mm / 150mm / 150mm/150mm) 6 x 4-Pin Peripheral connector (600mm / 150mm / 150mm) 2 x 4-Pin Floppy connector (600mm / 150mm / 150mm / 150mm)
Color	Black (scratch resistant and lead-free paint)
Cooling System	Ultra silent 139mm Air Penetrator fan with fluid dynamic bearing
Noise Level	17dBA-28dBA
Dimension	150 mm (W) x 86 mm (H) x 180 mm (D)
Weight	3.085 kg
Certification	80 PLUS Gold
Other	<a href="#">GPU Support list</a>

Stock PSU is sleeved by SilverStone in black and black. This Power Supply can also be professionally sleeved by Performance PC's. While the SilverStone Strider Power Supply is the very best in the market you will find that our sleeving techniques and range of options are far above what they can offer you. You can have this power supply customized using your choice of colors on sleeve, heatshrink, and Molex connectors.

The warranty from Performance PC's will be limited to 30 days at no extra cost. We also now have an option to extend that warranty to a Full One Year by purchasing a Performance PC's Extended Warranty which covers not only the power supply itself but, all Mods done by our company to that power supply. For more details please see our [Conditions of Use](#) page.

## Additional Information

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Brand	SilverStone Technology
SKU	SST-ST85F-G-D
Weight	8.0000
Color	Black
PSU Type	ATX
PSU Style	Modular
PSU Wattage	850W
PSU Efficiency	80 PLUS Gold
Special Price	\$152.99

