



**SILVERSTONE**<sup>®</sup>

Designing Inspiration

# SFX-L SERIES

A PIONEERING SFX-L FORM FACTOR POWER SUPPLY

# 500W



Intelligent semi-fanless  
operation

## Special Features

- Silent running 120mm fan with intelligent semi-fanless operation
- Support standard SFX-L form factor and ATX via included bracket
- High efficiency with 80 PLUS Gold certification
- 100% modular cables
- All cables made with flexible flat arrays
- 500W continuous power output at 40°C operating temperature rated for 24/7 operation
- Class-leading single +12V rail with 40A
- Strict  $\pm 3\%$  voltage regulation and low ripple & noise
- Support dual PCI-E 8/6pin connectors
- Active PFC



## HEADQUARTERS

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Model Name. SST-SX500-LG

[www.silverstonetek.com](http://www.silverstonetek.com)

# SFX-L SERIES

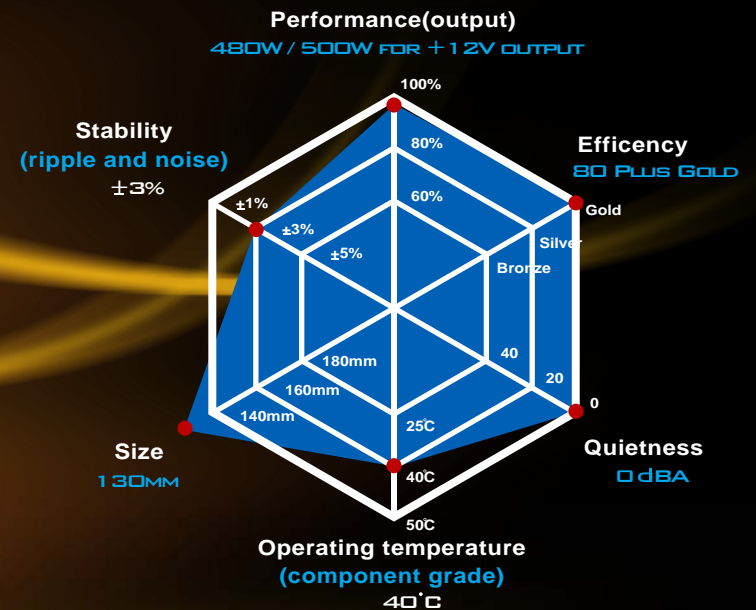
A PIONEERING SFX-L FORM FACTOR POWER SUPPLY

SX500-LG

## Introduction

For small form factor enthusiasts, the standard SFX power supply form factor has excellent combination of size, power, and affordability. At 100mm deep, however, the standard SFX PSU is also limited in fan size to 80mm. While advances in engineering and components have made modern high-end SFX PSUs quieter than ever, there is still inherent limitation with 80mm fan's ability to dissipate heat at maximum loading conditions while maintaining satisfactory noise profile for users sensitive to higher-pitch sounds. With this in mind, SilverStone has released a "lengthened" variation of the SFX form factor called, SFX-L. With 30mm of added depth, a SFX-L power supply has enough room to fit a 120mm fan, thus its maximum load noise can be not only lower in intensity (via slower fan speed), but also lower in pitch (due to larger fan size).

The first model to debut in the SFX-L will be the SX500-LG, a 500W model that includes all features available from top of the line SFX SilverStone PSUs such as 80 PLUS Gold efficiency, modular flexible flat cables, and semi-fanless capability. An ATX adapter bracket is included as well to enable users to install this PSU into any small or even larger cases that do not have SFX mounting holes.



## Specifications

|                       |                                   |                |                                       |
|-----------------------|-----------------------------------|----------------|---------------------------------------|
| Model No.             | SST- SX500-LG                     | Color          | Black (lead-free paint)               |
| Max DC output         | 500W                              | Cooling System | Single 120mm silent fan               |
| PFC                   | Active PFC (PF>0.95 at full load) | Noise Level    | 0 ~ 36 dBA                            |
| Efficiency            | 87%~90% (20% to 100% loading)     | Dimension      | 125 mm (W) × 63.5 mm (H) × 130 mm (D) |
| MTBF                  | 100,000 hours                     | Weight         | 1.4 kg                                |
| Operating temperature | 0°C ~ 40°C                        | Form Factor    | SFX-L                                 |

# SFX-L SERIES

A PIONEERING SFX-L FORM FACTOR POWER SUPPLY

**SX500-LG**

Model No.

SST-SX500-LG



Model No.

SST-SX500-LG

Max. output

500W

+3.3V

20A

+5V

20A

105W

+12V

40A

480W

-12V

0.3A

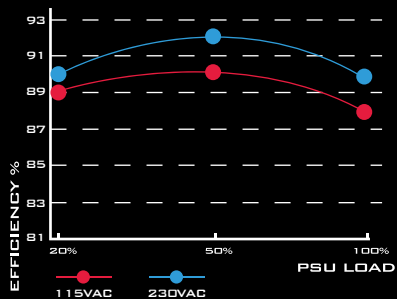
3.6W

+5Vsb

2.5A

15W

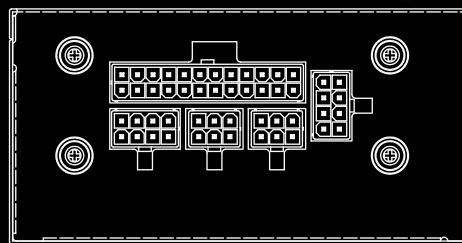
Designed for 80 PLUS Gold level of efficiency to reduce wasted heat and save on electricity



Flat cables have much greater flexibility to allow for tighter folding and management of cables



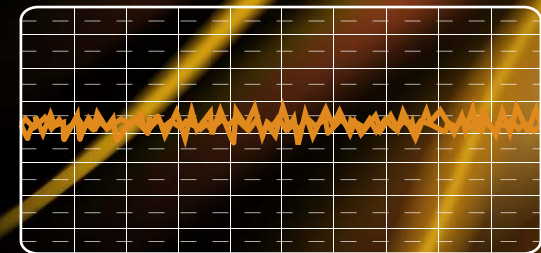
100% modular cable design for easy removal in a case with cable routed and tied down



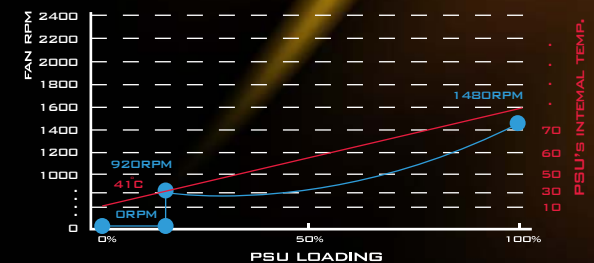
Powerful single +12V rail design, perfect for future high-end component upgrade



±3% regulation and low ripple & noise performance for high stability



Ultra-quiet 120mm fan with intelligent RPM control guarantees cool performance and silent operation with minimum of 18dBA during fan operation. The fanless mode operation deactivates when PSU's internal temperature reaches 41°C



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