



SILVERSTONE[®]

Designing Inspiration



SFX SERIES

THE NEW SFX FORM FACTOR MILESTONE

600W



Intelligent semi-fanless
operation

Special Features

- Intelligent semi-fanless operation
- Support standard SFX form factor and ATX via included bracket
- High efficiency with 80 PLUS Gold certification
- 100% modular cables
- All cables made with flexible flat arrays
- 600W continuous power output at 40°C operating temperature rated for 24/7 operation
- Class-leading single +12V rail with 50A
- Strict $\pm 3\%$ voltage regulation and low ripple & noise
- Support dual PCI-E 8/6pin connectors
- Active PFC



HEADQUARTERS

12F., NO.168, Jiankang Rd., Zhonghe Dist.,
New Taipei City 235, Taiwan R.O.C.
Tel: +886-2-8228-1238
Fax: +886-2-8228-7123

USA

13626 Monte Vista Ave. Unit A, Chino,
CA 91710, USA
Tel: +1-909-465-9596
Fax: +1-909-465-9596

EUROPE

Brandstücken 43, D-22549 Hamburg
Germany
Tel: +49-40-675931-0
Fax: +49-40-675931-66

Model Name. SST-SX600-G

www.silverstonetek.com

Introduction

After releasing the breakthrough SFX power supply in 2012 with the ST45SF-G, SilverStone has pushed the technical envelope even further with yet another industry defining design in the SX600-G. This small form factor PSU has the exact same dimensions as its predecessor but its power density has increased from 567W per liter (in the ST45SF-G) to 756W per liter. The result is a standard-sized SFX PSU with an incredible 600W of continuous power, a level that is capable of supporting any single graphics card system with ease.

Besides the power increase, the SX600-G comes standard with flexible, flat modular cables similar to those in the PP05-E short cable kit for vastly improved cable management in smaller cases. It also has added semi-fanless capability that was first introduced to SFX PSUs by the ST30SF so its quiet running fan can remain turned off during ideal low load or idle conditions for complete silence. As before, an ATX adapter bracket is included to enable users to install this PSU into any small or even larger cases that do not have SFX mounting holes. For the most ardent SFF enthusiasts, the SX600-G is truly a dream come true that combines the convenience of SFX size and all the top of the line features one can expect from high-end ATX PSUs into one product.



Specifications

Model No.	SST-SX600-G	Color	Black (lead-free paint)
Max DC output	600W	Cooling System	Single 80mm silent fan
PFC	Active PFC (PF>0.95 at full load)	Noise Level	0 ~ 40 dBA
Efficiency	87% ~ 90% (20% to 100% loading)	Dimension	125 mm (W) × 63.5 mm (H) × 100 mm (D)
MTBF	100,000 hours at 25°C, full load	Weight	1.25 kg
Operating temperature	0°C ~ 40°C	Form Factor	SFX

SFX SERIES

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SX600-G

Model No.

MB 24/20P

CPU 4+4P

PCI-E 6+2P

SATA

PERIPHERAL

FLOPPY 4P

SST-SX600-G

x1

x1

x2

x4

x2

x1

Model No.

Max. output

+3.3V

+5V

+12V

-12V

+5Vsb

SST-SX600-G

600W

20A

15A

50A

0.3A

2.5A

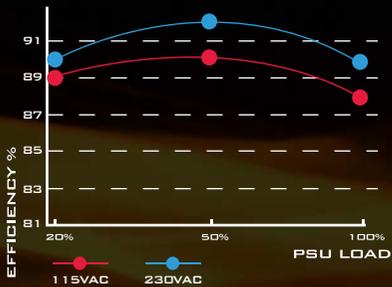
90W

600W

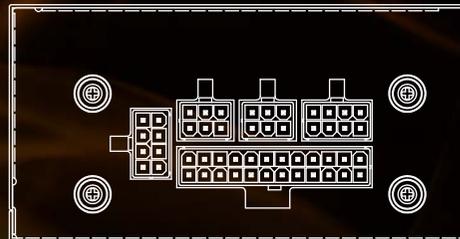
3.6W

12.5W

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



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



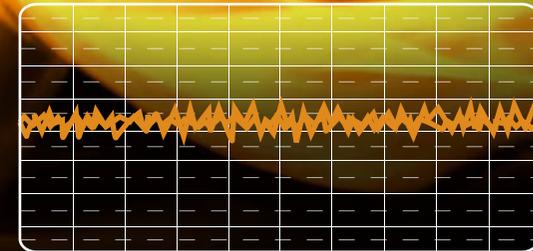
Flat cables have much greater flexibility to allow for tighter folding and management of cables.



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



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



Ultra-quiet 80mm 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 45°C.

