



# Silverstone SFX Series 80 Plus Bronze Certified SST-ST45SF-V3 450W SFX Active PFC Power Supply Version 3

Special Price  
**\$59.99** was  
~~\$74.99~~

## Product Images







## Short Description

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After successfully revolutionizing both HTPC and SFF market segments with innovative chassis designs, SilverStone engineers continue their push for advancement in these categories by releasing a true upgrade-worthy small form factor power supply, the ST45SF. This SFX unit is compatible not only with chassis that use SFX power supplies but also in smaller ATX chassis with the included adapter bracket.

## Description

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After successfully revolutionizing both HTPC and SFF market segments with innovative chassis designs, SilverStone engineers continue their push for advancement in these categories by releasing a true upgrade-worthy small form factor power supply, the ST45SF. This SFX unit is compatible not only with chassis that use SFX power supplies but also in smaller ATX chassis with the included adapter bracket. Despite its small size, the ST45SF has features that one would expect from an elite ATX power supply such as 80 PLUS Bronze level of efficiency, temperature controlled fan, 50°C / 40°C temperature rating, and reliability for 24/7 operation. Enthusiasts oriented features are also present with single +12V rail and 8pin/6pin PCI-E connectors to fully support multi-GPU systems. For SFF users and for SilverStone, the ST45SF is more than just an upgrade, it is an important milestone for the DIY desktop computer.

V2.0 has greater +3.3V and +5V output and higher temperature rating of 10°C ~ 50°C for NAS/storage focused systems or industrial PCs (IPC).

V3.0 has greater +12V output and lower noise for home desktops or gaming PCs.

## Features

- Supports standard SFX form factor and ATX via included bracket
- 450W continuous power output at 50°C temperature rated for 24/7 operation (V2.0)
- 450W continuous power output at 40°C temperature rated for 24/7 operation (V3.0)
- 80 PLUS Bronze level efficiency (82%~85% efficiency at 20%~100% loading)
- Class-leading single +12V rail with 36A
- Silent running 80mm fan (V2.0)
- Silent running 92mm fan (V3.0)
- Single PCI-E 8pin and dual PCI-E 6pin connectors support
- Active PFC

## Specifications

Model No.	SST-ST45SF
Max. DC Output	450W
Power density	567W per liter
Load Range (V3.0)	

	+3.3V	+5V	+12V	+5VSB	-12V
Max.(Amps)	20A	20A	37.5A	3A	0.3A
Peak (Amps)	/	/	/	/	/
Min.(Amps)	0A	0A	0.3A	0A	0A
Range (%)	±5%	±5%	±5%	±5%	±10%
Line Reg.(%)	±1%	±1%	±1%	±1%	±1%
Ripple(mVp-p)	50mA	50mA	120mV	50mV	120mV

Load Range (V2.0)										
	+3.3V	+5V	+12V	+5VSB	-12V					
Max.(Amps)	21A	22A	36A	2.5A	0.5A					
Peak (Amps)	/	/	/	/	/					
Min.(Amps)	0.1A	0.2A	0.6A	0A	0A					
Range (%)	±5%	±5%	±5%	±5%	±10%					
Line Reg.(%)	±1%	±1%	±1%	±1%	±1%					
Ripple(mVp-p)	70mA	70mA	140mV	70mV	140mV					

Color	Black (Lead-Free Paint)
combined +3.3, +5V	110W (V3.0) 120W (V2.0)
Combined +12V	450W / 37.5A (V3.0) 432W / 36A (V2.0)
Input Voltage	90 ~ 264 Vrms
Input Frequency Range	47Hz ~ 63Hz
PFC	Active PFC. (PF>0.9 at Full Load)
Efficiency	82%~85% (20% to 100% loading)
MTBF	100,000 hours

Operating temperature	0 ~ 40°C (V3.0) 10°C ~ 50°C (V2.0)
Protection	Over current protection Over voltage protection Short circuit protection Over Power Protection (V3.0 only) Under Voltage Protection (V3.0 only)
Connectors	1 x 24 / 20-Pin motherboard connector (300mm) 1 x 8 / 4-Pin EPS / ATX 12V connector (400mm) 1 x 8/6-Pin PCIE connector (400mm) 1 x 6-Pin PCIE connector (400mm / 150mm) 3 x SATA connector (300mm / 200mm / 100mm) 2 x 4-Pin Peripheral connector (300mm / 200mm) 1 x 4-Pin Floppy connector (300mm / 200mm / 200mm)
Cooling System	Single 92mm silent fan (V3.0) Single 80mm silent fan (V2.0)
Noise Level	18dBA minimum
Dimension	125 mm (W) x 63.5 mm(H) x 100 mm(D) 4.92" (W) x 2.5" (H) x 3.94" (D)
Weight	1.1 kg (V3.0) 1 kg (V2.0)
Form factor	SFX
Other	Includes SFX to ATX bracket for use in ATX case GPU Support list Compatible with ATX12V v2.4

## Additional Information

Brand	SilverStone Technology
SKU	ST45SF-V3
Weight	7.0000
Color	Black
PSU Type	SFX
PSU Style	Non-Modular
PSU Wattage	450W
PSU Efficiency	80 PLUS Bronze
Vendor SKU/EAN	844761014292
Special Price	\$59.99

