



SILVERSTONE[®]
Designing Inspiration

SFX FORM FACTOR

A new SFX form factor milestone

450W
SFX form factor



Special features

- Support standard SFX form factor and ATX via included bracket
- 450W continuous power output at 50°C operating temperature rated for 24/7 operation
- 80 PLUS Bronze level efficiency (82%~85% efficiency at 20%~100% loading)
- Class-leading single +12V rail with 36A
- Silent running 80mm fan with 18dBA minimum
- Single PCI-E 8pin and dual PCI-E 6pin connectors support
- Active PFC

Model No.:SST-ST45SF

www.silverstonetek.com

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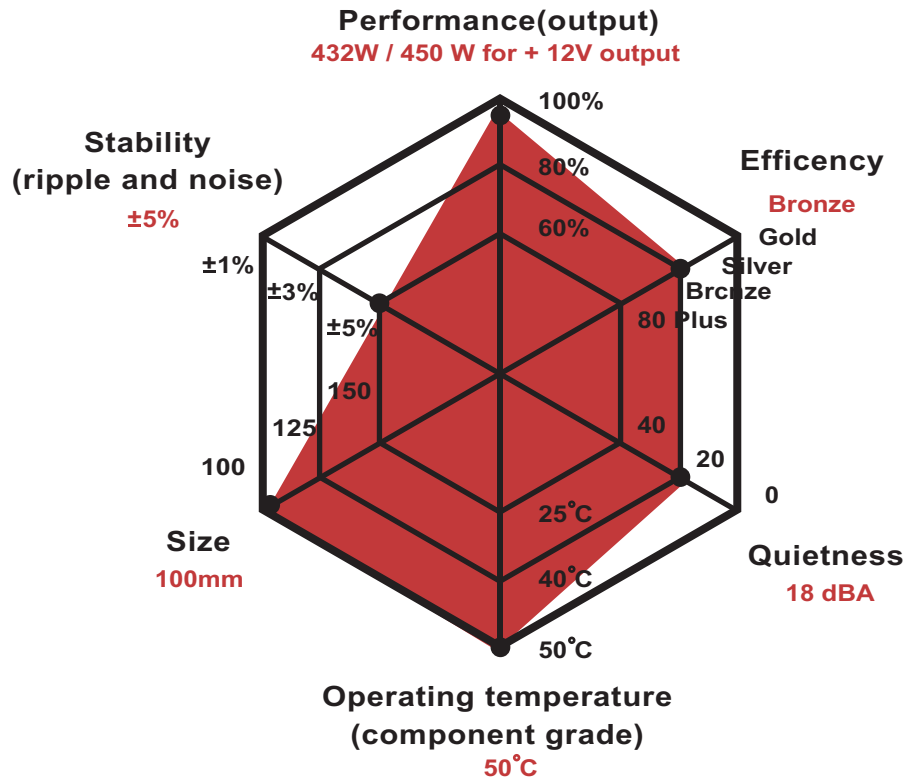
>87% ~Maximum efficiency up to 87%



~Ultra silent running 80mm Fan with 18dBA



+12V ~Class-leading single +12V rail with 36A



DC Output	MAX 450W @ 10°C ~ 50°C									
Parameter	+3.3V	+5V	+12V	+12V2	+12V3	+12V4	+12V5	+12V6	-12V	+5VSB
Max	21A	22A	36A	--	--	--	--	--	0.5A	2.5A
Regulation	±5%	±5%	±5%	--	--	--	--	--	±10%	±5%
combine	120W		432W / 36A					6W	6.25W	

Input Voltage	90V~265V
Frequency	47Hz ~ 63Hz
PFC	Active PFC (PF>0.95 at full load)
Efficiency	82%~85% (20% to 100% loading)
MTBF	100,000 hours at 25°C, full load
Operating temperature	10 ~ 50°C
Protection	Over current protection Over power protection Over voltage protection Under voltage protection Short circuit protection
Color	Black (Lead-Free Paint)
Cooling System	Single 80mm silent fan
Noise Level	18 dBA
Dimension	125 mm (W) × 63.5 mm (H) × 100 mm (D)

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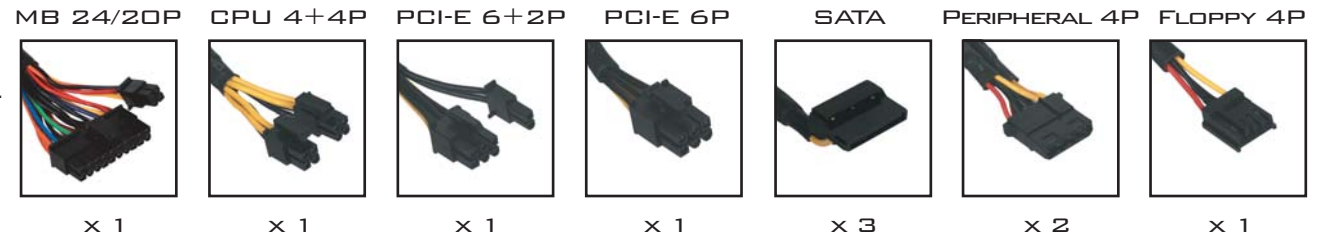


Introduction

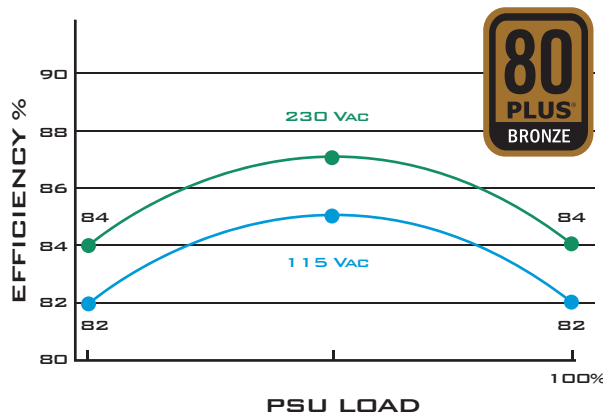
After successfully revolutionizing both HTPC and SFF market segments with innovative chassis designs, SilverStone engineers continue their push for advancement in these categories by releasing a true upgrade-worthy small form factor power supply, the ST45SF. This SFX unit is compatible not only with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

KEY FEATURE

Support dual VGA technologies and high-end VGA system
Support standard SFX form factor and ATX via included bracket.
Single PCI-E 8pin and dual PCI-E 6pin connectors support.



DESIGNED FOR 80 PLUS BRONZE LEVEL OF EFFICIENCY TO REDUCE WASTED HEAT AND SAVE ON ELECTRICITY.



BUILT-IN 80MM FAN HAS EXCELLENT AIRFLOW AND LOW NOISE, PERFECT FOR QUIET HOME OR OFFICE USE.

