



**SILVERSTONE<sup>®</sup>**  
Designing Inspiration

# NIGHTJAR

Ultimate fanless power supply with 80 PLUS Platinum

**Zero dBA** **520W**



- Fanless thermal solution, 0 dBA acoustics
- High efficiency with 80 PLUS Platinum certification
- 100% modular cables
- Strict  $\pm 2\%$  voltage regulation and low ripple & noise
- 24/7 continuous power output with 40°C operating temperature
- Class-leading single +12V rail
- PCI-E 8pin and PCI-E 6pin connectors support

MODEL NO.: SST-NJ520  
[www.silverstonetek.com](http://www.silverstonetek.com)

# NIGHTJAR

Ultimate fanless power supply with 80 PLUS Platinum

**Zero dBA**

# 520W



## SPECIFICATIONS

Color: Silver

Cooling System: Fan Less thermal solution

Noise Level: 0 dBA minimum

Weight: 2.3 kg

Dimension: 150 mm (W) × 86 mm (H) × 160 mm (D)

MTBF: 100,000 hours

Operating temperature: 0 ~ 40°C

| Model No. |     | Max. output |      | Peak output |  |
|-----------|-----|-------------|------|-------------|--|
| SST-NJ520 |     | 520W        |      | 572W        |  |
| +3.3V     | +5V | +12V        | -12V | +5Vsb       |  |
| 20A       | 20A | 43A         | 0.5A | 2.5A        |  |
| 100W      |     | 516W        | 6W   | 12.5W       |  |

Performance(output)  
516W / 520W FOR +12V OUTPUT

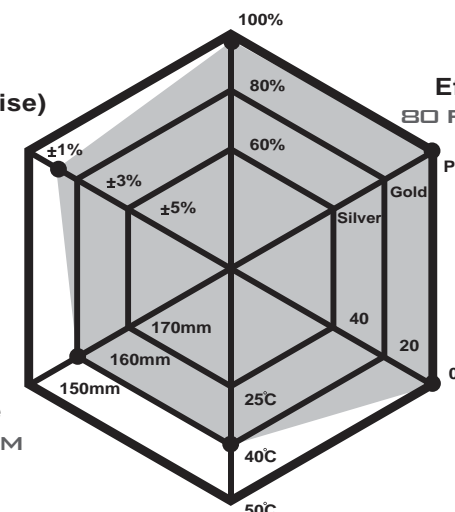
Stability  
(ripple and noise)  
±2%

Efficiency  
80 PLUS PLATINUM  
Platinum  
Gold  
Silver

Size  
160MM

Quietness  
0 dBA

Operating temperature  
(component grade)  
40°C



Model No.

MB 24P

CPU 4+4P

PCI-E 6+2P

SATA

PER PHERAL 4P

FLOPPY 4P

SST-NJ520



x1



x1



x2



x6



x5



x1

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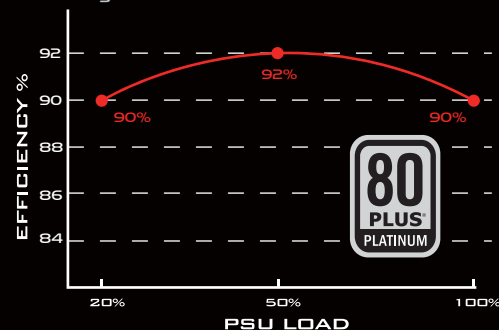


## Intorduction

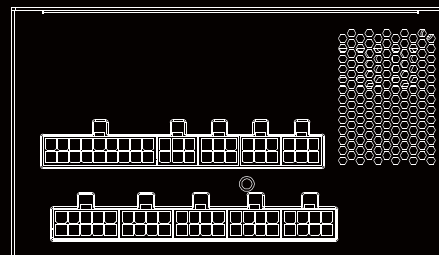
SilverStone's Nightjar NJ520 is a fanless power supply that offers users a whole new experience of quietness and stability. Its premium components and engineering helped it to achieve 80 PLUS Platinum level of efficiency, reducing wasted heat and enable an open grille design that can operate reliably without fan attached. This noise-less performance can be maintained with stringent electrical characteristics even under 40°C operating environment.

As a versatile power supply, NJ520 has powerful +12V output of 43A for high-end system usage and its flexible, flat modular cables make assembly easy for improved case airflow. For professionals looking to build PCs or workstations for specialized settings such as recording studio or sound-optimized laboratories, the Nightjar series PSUs with their consistent emphasis on quality, stability, and reliability, are sure to satisfy.

Designed for 80 PLUS Platinum 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.



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



±2% regulation and low ripple & noise performance for high stability

