

# Modular Flex ATX Power Supply with Innovative Mechanical Design



<April 2019, Mönchengladbach >With the market growth of industrial control equipment, industrial computers, surveillance systems, POS systems, gaming machines, edge computing, and IoT applications, the demands for Flex ATX power supplies are increasing significantly. FSP has great advantages in the Flex ATX power supply markets, not only do we have the most complete Flex ATX product line (with over 30 models in this form factor), but most of our products comply with the 80PLUS requirement, offering a variety of efficiency ratings ranging from bronze to platinum. FSP's Flex ATX models are available in both Standard Direct Output and Modular cable configurations. The variety of our modular selections is incomparable in this industry. The modular design makes it convenient to implement, users can customize their power cables in their heart's desire. If the power supply is defected, the special plug-in design for cables and jacks makes it easy to be replaced. The design of full modular connectors also allows users to disassemble cables effortlessly, pinpoint issues, and save time debugging whenever the system experiences troubles.

Many Flex ATX modular power supplies on the market have a typical issue pertaining to their mounting holes of the power supply housing do not completely align with the customers' chassis. The most common case is that the front holes can be fastened but the rear holes cannot. This may result in failures in vibration tests, or the need of customized brackets. FSP recognizes this matter, and offers unique mounting designs as well as auxiliary brackets to ensure our Flex ATX is compatible with 99% of the chassis on the market. Customers can easily secure our power supply units in their chassis, assembly issues no longer exist.

For buyers who aim for larger quantities of Flex ATX, purchasing modular power supplies can eliminate the pressure of keeping an inventory in various types of wiring specifications. In addition, FSP provides value-added services in designing and manufacturing cables for different customized applications. FSP has several robust teams in research, development, and firmware to support various demands, our customers are no longer limited to standard specifications and can enjoy fully customized product planning and services. What FSP can bring to its customers is beyond your imagination.

FSP's Flex ATX modular products are available in 150/180/220/250/300/350 wattages, more products in higher power are coming soon.



# Flex ATX Modular Power Supply



## Feature highlights

- Available in 150/180/220/250/300/350 wattages
- Complies with the latest Intel Flex ATX V1.22 specifications
- Complies with UL/EN/IEC 62368-1 and 60950 International safety standards
- Power density is improved over the general Flex ATX by 20%
- Uses high-quality capacitors made in Japan
- Low noise design:
  - Unique fan noise shielding design
  - Smart fan control system
  - Durable and quiet 40 mm ball bearing fan
- 220W and 250W meet 80 PLUS Bronze-certified efficiency standards; 300W and 350W meet 80 PLUS Gold-certified efficiency standards.
- Single 12V cable output design
- Multiple protection mechanism: OVP, UVP, OCP, SCP, OPP
- Latch off when protection has been triggered



FSP250-50FGGBI(M)  
cable management



FSP250-50FGGBI(M)-front



FSP250-50FGGBI(M)-rear

## Applications

- Industrial control equipment
- Industrial computers
- Surveillance system
- POS system
- gaming machines
- edge computing
- IoT device field markets.

## Safety



## Comparison of Fix Cable and Modular Cable

