



# Computer power supply

Model: **AK-C1-500**



|                                    |                                   |
|------------------------------------|-----------------------------------|
| Product code                       | AK-C1-500                         |
| Product type                       | Computer power supply             |
| Format                             | ATX 2.31                          |
| Series                             | Classic                           |
| Supply voltage                     | 230 V                             |
| Power consumption                  | < 5 A                             |
| Efficiency                         | > 80 %                            |
| 80 PLUS compatibility              | Yes                               |
| Current on the +3.3V rail          | 12 A                              |
| Current on the +5V rail            | 12 A                              |
| Maximum load on +3.3V and +5V line | 100 W                             |
| Current on the +12V rail           | 33 A                              |
| Maximum load on 12V line           | 468 W                             |
| Maximum power                      | 500 W                             |
| Mainboard Power Connector          | 24-pin                            |
| Power connector EPS12V 8 pin       | 1 pc                              |
| Power connector PCI-E 6+2 pin      | 2 pcs                             |
| Molex connector                    | 2 pcs                             |
| SATA connector                     | 4 pcs                             |
| Modular power supply               | No                                |
| PFC filter                         | Active                            |
| Mechanical switch                  | Yes                               |
| Ground wire                        | Yes                               |
| OVP                                | Yes                               |
| OCP                                | Yes                               |
| OPP                                | Yes                               |
| OTP                                | Yes                               |
| SCP                                | Yes                               |
| UVP                                | None                              |
| Power supply connector             | IEC C14                           |
| Fan size                           | 120 mm                            |
| Fan adjustments                    | Automatic                         |
| Cable length                       | 45 - 75 cm                        |
| The cable plug #1                  | Hybrid standard C/E/F ( CEE 7/7 ) |
| The cable plug #2                  | IEC C13                           |
| Power cable included               | Yes                               |
| Material                           | Galvanized steel                  |
| Product color                      | Black                             |
| Temperature                        | 5 - 50 °C                         |
| Package                            | EcoBox                            |

|                          |                    |
|--------------------------|--------------------|
| Product size (L x W x H) | 150 x 145 x 85 mm  |
| Package size (L x W x H) | 235 x 180 x 100 mm |
| Net weight               | 1320 g             |
| Gross weight             | 1878 g             |
| CE compatibility         | Yes                |
| RoHS compatibility       | Yes                |
| REACH compatibility      | Yes                |
| EAN code                 | 5901720139320      |
| Warranty                 | 24 months          |



# Description

The **Akyga® AK-C1-500 ATX power supply** from the Classic series is a high-quality device designed to provide stable and reliable power to advanced computer systems. It is characterized by a **true power of 500 W**, making it an ideal solution for users looking for high efficiency and performance. The AK-C1-500 computer power supply also features **compliance with 80 PLUS certification**. This means that the unit operates with minimal power loss, guaranteeing eco-friendly and economical use. What's more, the power supply is equipped with an **APFC (Active Power Factor Correction) filter**, which optimizes the power factor, also leading to reduced energy consumption.

The AK-C1-500 ATX PC power supply offers a comprehensive set of connectors. A **P4+4 connector, two PCI-E 6+2 pin connectors, four SATA connectors** and **two Molex connectors** are available to connect multiple components such as hard drives, SSD drives, graphics cards and other peripherals. These connectors are placed on **flat cables**, which is particularly appreciated by users due to the ease of cable management inside the PC case. This translates into better airflow and simplifies the process of building or upgrading a system. Flat cables are less likely to become tangled, which further facilitates the maintenance of tidiness and aesthetics inside the case. They not only enable better cable management, but also contribute to increased overall cooling efficiency by optimizing airflow inside the case.

The AK-C1-500 ATX power supply unit uses **modern electronic components** that comply with current technological standards. Carefully selected components guarantee the device's durability and stable operation. They have been developed for long-term and intensive use in mind, ensuring the system's reliability.

The design of the ATX power supply is kept in an elegant black case, which will perfectly fit into the aesthetics of most computer cases, adding a modern and professional look. What's more, inside the ATX power supply there is a quiet but efficient **12 cm fan**, which ensures excellent air circulation and thus maintains the optimal operating temperature of the device without increasing noise levels.

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