



# Computer power supply

Model: **AK-C2-500**



Product code	AK-C2-500
Product type	Computer power supply
Format	ATX 2.31
Series	Pro Modular
Responsible Entity	Akyga Europe Sp. z o.o., 52-200 Suchy Dwór, Wrocławska 1c, Polska/Poland, contact@akyga.com
Supply voltage	230 V
Power consumption	< 5 A
Efficiency	> 70 %
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	20+4-pin
Power connector ATX12V P4	None
Power connector EPS12V 8 pin	1 pc ( 4 + 4-pin )
Power connector PCI-E 6 pin	None
Power connector PCI-E 6+2 pin	2 pcs
Power connector PCI-E 8 pin	None
Molex connector	2 pcs
SATA connector	4 pcs
Modular power supply	Semi-modular
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	50 - 70 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
MTBF	100000 h
Temperature	5 - 50 °C
Package	EcoBox
Product size (L x W x H)	150 x 140 x 85 mm
Package size (L x W x H)	235 x 180 x 100 mm
Net weight	1.7 kg
Gross weight	1.8 kg
CE compatibility	Yes
FCC compatibility	No
RoHS compatibility	Yes
REACH compatibility	Yes
EAN code	5901720139559
Warranty	24 months





## Description

The **Akyga® AK-C2-500 ATX power supply** from the Classic series is a **semi-modular solution** designed to provide stable and reliable power to PC systems. Its actual power output is **500 W**, making it an ideal choice for office PCs and standard home units. What's more, the **PC power supply** features **80 PLUS certification compliance**, meaning that the unit operates with minimal power loss. In addition, it features **active PFC**, which optimises the power factor, resulting in lower power consumption.

The **ATX semi-modular power supply** offers a wide set of connectors. The modular cables include an **8-pin (4+4-pin) connector**, **2 PCI-E 6+2-pin connectors**, **2 Molex plugs** and **4 SATA plugs**, which will allow easy connection of multiple components such as hard drives, SSD drives, graphics cards and other peripherals. The **cable with 20+4-pin connector** is permanently attached to the PSU, ensuring stability of the main connection to the motherboard. The modular cables are flat for easy organisation and management inside the computer case. This makes it easy to improve airflow and simplify the process of building or upgrading a system.

The AK-C2-500 computer power supply features **state-of-the-art electronic components** that comply with current technological standards. Carefully selected components ensure the durability and stability of the unit, which guarantees reliability during long-term and intensive use.

The casing of the semi-modular power supply is black, which perfectly matches the aesthetics of most computer cases, adding a modern and professional look. The interior of the ATX power supply features a quiet but **powerful 120mm fan**, which provides excellent air circulation, keeping the unit at optimum operating temperature without increasing noise levels. The Akyga® AK-C2-500 ATX power supply is a reliable and efficient solution for demanding users looking for a stable power source for their advanced computer systems.