



Computer power supply

Model: **AK-B1-420**



Product code	AK-B1-420
Product type	Computer power supply
Format	ATX 2.31
Series	Basic
Supply voltage	230 V
Power consumption	< 5 A
Efficiency	> 70 %
80 PLUS compatibility	No
Current on the +3.3V rail	24 A
Current on the +5V rail	28 A
The combined power of +3.3V and +5V	210 W
Current on the +12V rail	19 A
Maximum load on 12V line	228 W
Maximum power	420 W
Mainboard Power Connector	20+4 pin
Power connector ATX12V P4	1 pc
Power connector EPS12V 8 pin	None
Power connector PCI-E 6 pin	None
Power connector PCI-E 6+2 pin	None
Power connector PCI-E 8 pin	None
Molex connector	2 pcs
Mini- Molex connector	None
SATA connector	3 pcs
PFC filter	Passive
Mechanical switch	Yes
Ground wire	Yes
OVP	Yes
OCP	Yes
OPP	Yes
OTP	Yes
SCP	Yes
UVP	Yes
Power supply connector	IEC C14
Fan size	120 mm
Fan adjustments	Automatic
Cable length	30 - 45 cm

Power cable included	No
Material	Galvanized steel
Product color	Grey
MTBF	100000 h
Temperature	5-50°C
Package	Foil
Product size (L x W x H)	140 x 150 x 85 mm
Package size (L x W x H)	196 x 151 x 86 mm
Net weight	1.04 kg
Gross weight	1.05 kg
CE compatibility	Yes
FCC compatibility	No
RoHS compatibility	Yes
REACH compatibility	Yes
EAN code	5901720130310



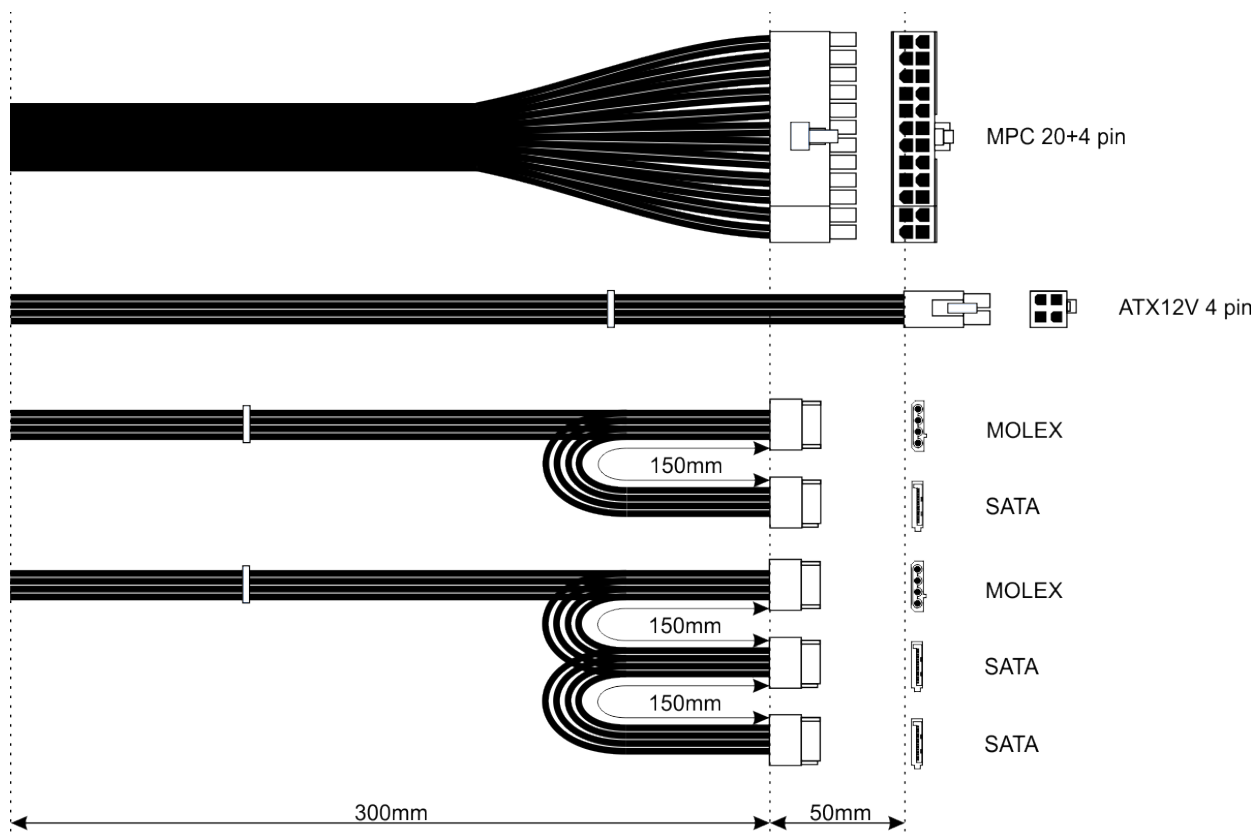
Description

Akyga **ATX** power supply **420W** Basic series is one of the fundamental power supplies in our offer dedicated to power desktop computers.

Product is made of high quality components. The power supply has a **3x SATA** connectors, **2x MOLEX** connectors, **P4 4-pin** connector and a universal **20+4-pin** motherboard connector. Supports **ATX 12V 2.0** specifications, so it can be used with current and next generation of platforms with multi-core processors. Efficient, quiet fan with automatic speed control and a diameter of **120 mm** ensures effective cooling. The power supply has a manual switch that allows the user to safely cut off power without having to disconnect the cord from the network. High efficiency **above 70%** allows effective supplying and so the stable operation of the power supply affects the reliability of all components of the computer.

An important aspect is the presence of several important protectors (OVP, OCP, OPP, OTP, SCP) and **PFC filter** that protects and prevents motherboard, processor and other parts from damage and stabilize the operation of the power supply so that it works without any unwanted interference.

Cable map



Nameplate



Professional Power Supply Solutions

Model: **AK-B1-420**

ATX12V v2.31

AC INPUT	230V / 50Hz / 5A				
DC OUTPUT	+3,3V	+5V	+12V	-12V	+5VSB
MAX CURRENT	24A	28A	19A	0,5A	2,5A
MAX COMBINED	210W		228W	18,5W	
TOTAL POWER	420W				

420W

BASIC
Series

CAUTION!
Do not remove this cover. Trained service personnel only. No user serviceable parts inside.






EN 61000-3-12

Made in China