Computer power supply

Model: **AK-U4-800**

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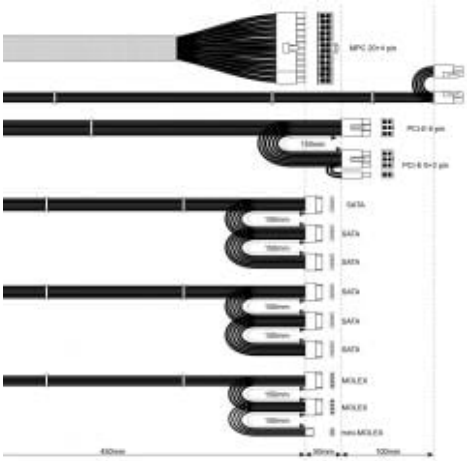
Product type	Computer power supply
Format	ATX 2.31
Series	Ultimate
Supply voltage	200-240 V
Power consumption	< 5 A
Efficiency	> 80 %
80 PLUS compatibility	Yes
80 PLUS certificate	Bronze
Current on the +3.3V rail	13 A
Current on the +5V rail	13 A
Maximum load on +3.3V and +5V line	105 W
Current on the +12V rail	28 A
Maximum load on 12V line	679 W
Maximum power	800 W
Mainboard Power Connector	24-pin
Power connector ATX12V P4	None
Power connector EPS12V 8 pin	1 pc (4 + 4-pin)
Power connector PCI-E 6 pin	1 pc
Power connector PCI-E 6+2 pin	1 pc
Power connector PCI-E 8 pin	None
Molex connector	2 pcs
Mini-Molex connector	1 pc
SATA connector	6 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	Yes
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
MTBF	100000 h
Temperature	5 - 50 °C
Package	EcoBox
Product size (L x W x H)	140 x 150 x 85 mm
Package size (L x W x H)	222 x 155 x 95 mm
Net weight	1.62 kg
Gross weight	1.69 kg
CE compatibility	Yes
FCC compatibility	No
RoHS compatibility	Yes
REACH compatibility	Yes
Included accessories	Cable IEC C13 1 m
EAN code	5901720136381
Warranty	36 months



Description

The Akyga AK-U4-800 power supply is a stable and, most importantly, reliable power source. These features are especially important for anyone who relies on their computer equipment. Regardless of whether it is used for work or study. What's more, the power supply is also characterised by high efficiency and energy saving, which are increasingly important nowadays. This is proven by **the 80 PLUS Bronze certification**, which shows that the efficiency of the power supply reaches up to 88%.
The power supply meets the requirements of advanced PC systems. More complex configurations need a strong +12 V line, which is why this model features up to **two powerful +12 V lines**. Each of these is able to deliver a current capacity of 28 A. Thus, the connected components, such as CPU or graphics cards, have a guaranteed a high level of power stability. Furthermore, the PSU is equipped with **two PCI-E connectors**, which can also handle graphics cards in a **multi-GPU system**. This is extremely useful when you want to bulid a PC unit for graphics work or gaming. Another advantage of the power supply is **the quiet fan on hydraulic bearings**, which adjusts its speed as required and thus ensures adequate cooling. This not only ensures the proper operation of the components, but also the reliability of the PSU.
The Ultimate PSU series is equipped with long cables, which simplify the installation especially inside large ATX cases. What's more, they come with a large set of connectors which allows to power multiple components and memory. Apart from the previously mentioned **PCI-E 6-pin** and **6+2-pin connectors**, this model comes with **2 MOLEX connectors**, **6 SATA connectors**, **1 mini-MOLEX** and **EPS12V 4+4-pin connector** each as well as a universal **24-pin motherboard connector**.
The AK-U4-800 power supply is an extremely safe device. Thanks to such protections as:

- **OCP** (overcurrent protection),
- **OVP** (over-voltage protection),
- **UVP** (under-voltage protection),
- **SCP** (short circuit protection),
- **OTP** (temperature protection),
- **OPP** (overload protection).

You can be sure that your desktop computer is safe and used components are properly protected. At the same time, their operation will run without any undesired disturbances or hindrances.

Cable map

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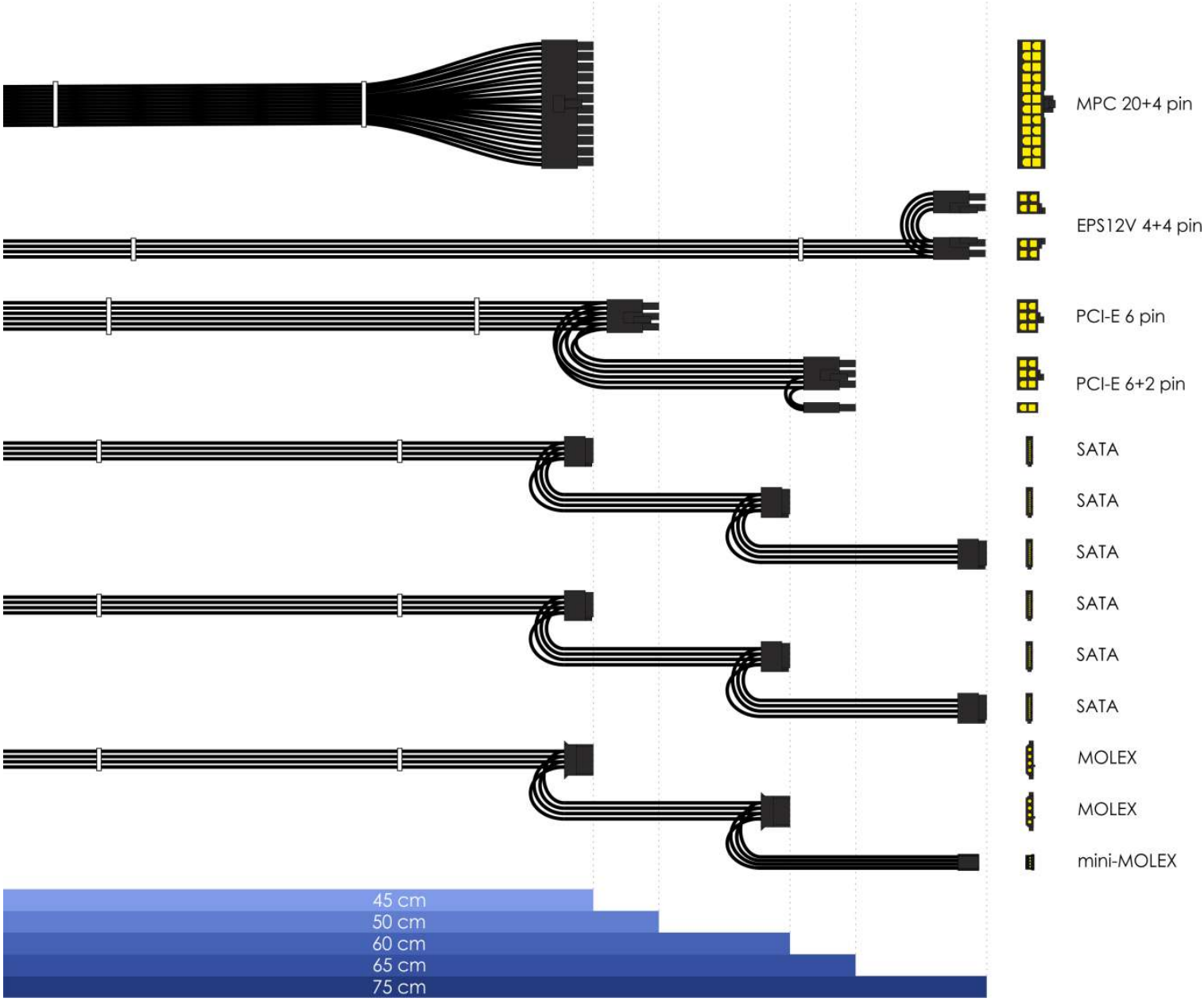
MPC 20+4 pin
EPS12V 4+4 pin
PCI-E 6 pin
PCI-E 6+2 pin
SATA
SATA
SATA
SATA
SATA
SATA
MOLEX
MOLEX
mini-MOLEX
45 cm
50 cm
60 cm
65 cm
75 cm

Nameplate

akyga®
Professional Power Supply Solutions
Model:
AK-U4-800
ATX12V v2.31
AC INPUT 230V / 50Hz / 5A
DC OUTPUT +3.3V +5V +12V -12V +5VSB
MAX CURRENT 13A 13A 28A 28A 0.3A 3A
MAX COMBINED 105W 679W 16W
TOTAL POWER 800W
80 PLUS BRONZE
CAUTION!
Do not remove this cover. Trained service personnel only. No user serviceable parts inside.
RoHS
REACH
PFC
EN 61000-3-12
5 901720 136381
EB35RB
Made in China Manufacturer: Ropia Computers sp. z o.o.
52-200 Sucdy Dwor, Wroclawska 1c Polska / Poland
800W
ULTIMATE
Series