

Model: AK-U4-500

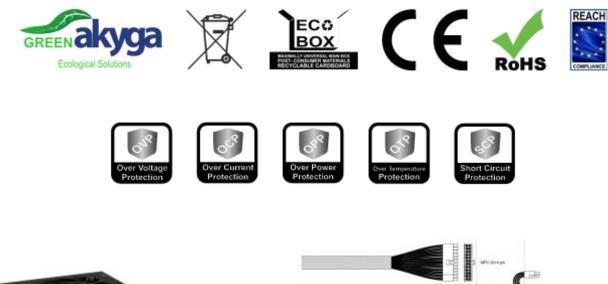




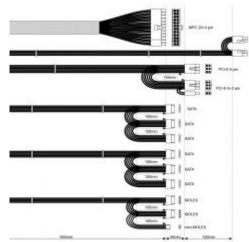
Product CodeAK-U4-500Product LypeComputer power supplyFormatXT2.3.1SeriesUtimateSupply voltage230 VPower consumption< 5 ASol PLUS compatibilityYesSol PLUS compatibilityYesCurrent on the +5 Vrail15 ACurrent on the +5 Vrail15 ACurrent on the +5 Vrail35 ACurrent on the +12 Vrail35 ACurrent on the +12 Vrail35 ACurrent on the +12 Vrail35 AMaximum load on 12V line420 WMaximum load on 21V line300 WCurrent on the +12 Vrail35 ACurrent on the +12 Vrail35 APower connector ATX12 VPANonePower connector ATX12 VPANonePower connector PCI-E E pin1 pc (4 + 4 + pin)Power connector PCI-E E pinNonePower connector PCI-E E pinNon				
ATX 2.31ATX 2.31InimateSupply oblage230 VSupply oblage230 VPower consumption< 5.4				
SeriesUtimateSupply voltage230 VSupply voltage230 VPower consumption< 5 A				
Supply voltage230 VPower consumption< 5 A				
Power consumption< 5 AEfficiency> 80 %6 0 PLUS compatibilityYes6 0 PLUS compatibilityYes1 0 0 PLUS compatibility15 A1 0 0 Current on the +3 Varial15 A1 0 0 Current on the +12V rail15 A1 0 0 Current on the +12V rail35 A1 0 0 Current on the +12V rail420 W1 0 0 Current on the +12V rail100 W1 0 0 Current on the +12V rail35 A1 0 0 Current on the +12V rail420 W1 0 0 Current on the +12V rail100 W <td></td> <td></td>				
Efficiency> 80 %80 PLUS compatibilityYes80 PLUS compatibilityBronze80 PLUS current on the 4.3 Varial15 A15 ACurrent on the 4.5 Varial15 AMaximum load on 1.3 Vand +5 Viane103 W00 Current on the 4.12 Varial35 AMaximum load on 1.2 Variane420 WMaximum load on 1.2 Variane24 pinMaximum power500 WPower connector ATX12 VPNonePower connector PCI-E 6 pin1 pc (+ 4 - 4 pin)Power connector PCI-E 6 pin1 pcPower connector PCI-E 6 pin1 pcPower connector PCI-E 6 pin1 pcPower connector PCI-E 8 pinNoneMoldular power youpyNoneSATA connector1 pcSATA connector				
80 PLUS compatibilityYes80 PLUS certificateBronze60 PLUS certificateBronze61 Current on the +33 vrail15 A61 Current on the +3V rail15 A61 Current on the +3V rail15 A61 Current on the +3V rail35 A62 Current on the +12V rail35 A62 Current on the +12V rail35 A63 Current on the +12V rail420 W64 Current on the +12V rail420 W64 Current on the +12V rail420 W65 Current on the +12V rail100 W65 Current on the +12V rail100 W66 Current on the +12V rail100 W66 Current on the +12V rail100 W76 Current on the +12V rail100 W				
80 PLUS certificateBronzeCurrent on the +3.3V rail15 ACurrent on the +5.3V rail15 AMaximum load on +3.3V and +5V line103 WCurrent on the +12V rail35 ACurrent on the +12V rail35 AMaximum load on 12V line420 WMaximum load on 12V line500 WMaximum load on 12V line24-pinMaximum load on Power connector AX12V P4NonePower connector EP512V 8 pin1 pc (4 + 4-pin)Power connector PCI-E 6 pin1 pcPower connector PCI-E 8 pin1 pcPower supply connector1 pcPower 2000 With PiceYesPower 2000 With PiceYesPower 2000 With PiceYesPower 2000 PiceYesPower 2000 PiceFan adjustmentPower 2000 PicePice ClaiPower 2000 Pice20 mmPower 2000 Pice20 mmPower 2000 Pice20 mmPower 2000 Pice20 mmPower 2000 Pice <td< td=""><td></td><td>> 80 %</td></td<>		> 80 %		
Current on the +3.3V rail15 ACurrent on the +5V rail15 AMaximum load on +3.3V and +5V line103 WCurrent on the +12V rail35 ACurrent on the +12V rail35 AMaximum load on 12V line420 WMaximum load on 12V line420 WMaximum load on Power connector24-pinPower connector ATX12V P4NonePower connector FP512W 8 pin1 pc (4 + 4-pin)Power connector PCI-E 6 +2 pin1 pcPower connector PCI-E 6 +2 pin1 pcPower connector PCI-E 6 +2 pinNonePower Supply connectorHPower supply connectorYesPower connector PCI-E 6 +2 pinYesPower supply connectorYesPower connector PCI-E 6 +2 pinYesPower connector PCI-E 6 +2 pinYesPower supply connectorYesPower connector PCI-E 6 +2 pinYesPower supply connectorYesPower supply connectorYesPower supply connectorYesPower supply connectorYes				
Current on the +5V rail55 AMaximum load on +3.3V and +5V line103 WCurrent on the +12V rail35 ACurrent on the +12V rail35 AMaximum load on 12V line420 WMaximum load on 12V line500 WMaximum power500 WPower connector Power connector24-pinPower connector FPS12V 8p in1pc (4 + 4-pin)Power connector PCI-E 6 pin1pcPower connector PCI-E 6 pin1pcPower connector PCI-E 6 pin1pcPower connector PCI-E 6 pin1pcMolex connector2pcsPower connector PCI-E 6 pin1pcMolex connector1pcPower connector PCI-E 8 pinNoneMolex connector6pcsPower connector PCI-E 8 pinNonePower Connector PCI-E 8 pinNoneMolular power supplyNoPower Connector PCI-E 8 pinSATA connectorPFC filterActiveActiveSATA connectorPFC filterActivePower Connector GroupYesSolower Suppl ConnectorYesPower Connector OCPYesPower supply connectorYesPower supply connectorEC C14Power supply connectorIz0 mmPower cable includeXiomaticPower cable includeXiomaticPower cable includeYes				
Maximum load on +3.3V and +5V line103 WCurrent on the +12V rail35 AMaximum load on 12V line420 WMaximum power500 WMainboard Power connector24-pinPower connector ATX12V P4NonePower connector PCI-E 6 pia1 pc (4 + 4-pin)Power connector PCI-E 6 pia1 pc (4 + 4-pin)Power connector PCI-E 6 pia1 pc (4 + 4-pin)Power connector PCI-E 6 pia1 pc (4 + 4-pin)Power connector PCI-E 6 pia1 pc (4 + 4-pin)Power connector PCI-E 6 pia1 pc (4 + 4-pin)Power connector PCI-E 6 pia1 pc (4 + 4-pin)Power connector PCI-E 6 pia1 pc (4 + 4-pin)Molex connector2 pcsPower connector PCI-E 6 piaNoneMolex connector1 pc (4 + 4-pin)Molex connector1 pc (4 + 4-pin)<				
Current on the +12V rail35 AMaximum load on 12V line420 WMaximum power500 WMainboard Power connector24-pinPower connector ATX12V P4NonePower connector FP512V 8 pin1 pc (4 + 4-pin)Power connector PCI-E 6 pin1 pcPower connector PCI-E 6 pin1 pcMolex connector2 pcsMolex connector6 pcsModular power supplyNoMechanical switchYesSafa Coround wireYesSafa Coround wireYesSafa Coround wireYesPower connector PCIYesSafa Coround wireYesSafa Coround Wire </td <td>Current on the +5V rail</td> <td>15 A</td>	Current on the +5V rail	15 A		
Maximum load on 12V line420 WMaximum power500 WS00 W24-pinPower connector ATX12V P4NonePower connector PCI-E 5 pin1pc (4 + 4-pin)Power connector PCI-E 6 pin1pcPower connector PCI-E 6 pin1pcPower connector PCI-E 6 pin1pcPower connector PCI-E 6 pin1pcPower connector PCI-E 6 pinNonePower connector PCI-E 8 pinYesPower connector PCI-E 8 pinYesPower supply connectoIEC C14Power Cable IncludeYes pinPower cable IncludeYes pinPower cable IncludeYes pin	Maximum load on +3.3V and +5V line	103 W		
Maximum powe500 WMainboard Power connector24-pinPower connector ATX12V PNonePower connector PCI-E 6 pin1pc (4 + 4-pin)Power connector PCI-E 6 + 2 pin1pcPower connector PCI-E 6 + 2 pin1pcPower connector PCI-E 8 pinNonePower connector PCI-E 8 pinNoneMolex connector2 pcsPower connector PCI-E 8 pinNoneMolex connector1pcMolex connector4 pcsModular power supplNoNoneSATA connectorPower connector PCF filterActiveModular power supplNoModular power supplNoPower connector Ground wireYesPower connector OCPYesSata ConcettorYesPower connector COPYesPower connector COPYesPower supply connectorIECC14Power supply connectorECC14Power colle lengthAutomaticPower colle lengthSor Sor Sor Sor Sor Sor Sor Sor Sor Sor		35 A		
Mainboard Power connector24-pinPower connector ATX12V P4NonePower connector PS12V 8 pin1pc (4 + 4-pin)Power connector PCI-E 6 pin1pcPower connector PCI-E 6 pin1pcPower connector PCI-E 8 pinNoneMolex connector2 pcsMolex connector1pcSATA connector6 pcsModular power supplyNoMechanical switchYesSato Mechanical switchYesSato Mechanical SoftYesSato Mechanical SoftYes <trr>Sato Mechanical SoftYes</trr>	Maximum load on 12V line	420 W		
Power connector ATX12V P4NonePower connector PCS12V 8 pi1pc (4 + 4-pin)Power connector PCI-E 6 pi1pcPower connector PCI-E 6 + 2 pi1pcPower connector PCI-E 8 piNonePower connector PCI-E 8 piSoneMolex connector2pcsControlSATA connectorSATA connector6pcsModular power supplyNoMechanical switchYesMechanical switchYesSATA concetorYesSATA Concetor <th>Maximum power</th> <th>500 W</th>	Maximum power	500 W		
Power connector PCI-E 6pin1pc (4 + 4-pin)Power connector PCI-E 6pin1pcPower connector PCI-E 6+2 pinNonePower connector PCI-E 8pinNoneMolex connector2 pcsMini-Molex connector1pcSATA connector6 pcsModular power supplyNoModular power supplyNoMechanical switchYesMechanical switchYesMechanical switchYesModular power SupplyYesMechanical SwitchYesMechanical SwitchYes<	Mainboard Power Connector	24-pin		
Power connector PCI-E 6 pin1 pcPower connector PCI-E 6 pinNonePower connector PCI-E 8 pinNoneMolex connector2 pcsInternational SATA connector6 pcsModular power supplyNoModular power supplyKativeModular power supplyKativeInternational Satta Connector9 pcInternational Satta Connector	Power connector ATX12V P4	None		
Power connector PCI-E 6+2 pin1 pcPower connector PCI-E 8 pinNoneQ pos2 pcsC Molex connector1 pcC Molex Connector6 pcsC Modular power supplyNoModular power supplyKaiveC Modular power supplyYesC Motor Ground wireYesC Motor Ground Wire120 mmC Motor Ground Wire200 mmC Motor Ground Wire210 mmC Motor Ground Wire5175 cmPower cable includedYes	Power connector EPS12V 8 pin	1 pc (4 + 4-pin)		
Power connector PCI-E 8 pinNonePower connector2 pcsMini-Molex connector1 pcConnector6 pcsModular power supplyNoModular power supplyActiveMechanical switchYesMechanical switchIEC C14Mechanical switchStormMechanical switchStorm<	Power connector PCI-E 6 pin	1 pc		
Molex connector2 pcsMini-Molex connector1 pcGord6 pcsModular power supplyNoModular power supplyActiveModular power supplyKesMechanical switchYesGround wireYesGround OVPYesModular power supplyYesModular power supply connectorFC filterModular power supply connectorEC C14Fan adjustmentsAutomaticModular power cable lengthSer To Ser To	Power connector PCI-E 6+2 pin	1 pc		
IncMini-Molex connector6 pcsSATA connector6 pcsModular power supplyNoPFC filterActiveMechanical switchYesGround wireYesGround wireYesPFC filterYesMechanical SwitchYesGround wireYesSCAYesProversupply connectorYesPower supply connectorFCC14Fan adjustmetsAutomaticFan adjustmetsAutomaticPower cable includedYes	Power connector PCI-E 8 pin	None		
SATA connector6 pcsModular power supplyNoPFC filterActiveMechanical switchYesGround wireYesPSYesGale SataYesGale SataYesFan adjustmetsAutomaticForwer cable IncludedYes	Molex connector	2 pcs		
Modular power supplyNoPFC filterActiveMechanical switchYesGround wireYesVeryYesOVPYesPanaleYesOVPYesPanaleYesPanaleYesPanaleYesPanaleYesPanaleYesPanaleYesPanaleYesPanaleYesPanaleYesPanaleYesPanaleYesPower supply connectorIEC C14PanaleYesPa	Mini-Molex connector	1 pc		
PFC filterActiveIdentifiedYes	SATA connector	6 pcs		
Mechanical switchYesGround wireYesOVPYesOPPYes	Modular power supply	No		
Ground wireYesOVPYesOCDYes	PFC filter	Active		
OVPYesI CONDERYesI CONDERYesI CONDERYesI CONDERYesI CONDERYesI CONDERIEC C14I CONDERI20 mmI CONDERAutomaticI Conde I Cable Iength45 - 75 cmI CONDERYesI CONDERYes	Mechanical switch	Yes		
OCPYesOPPYesOPPYesOPPYesOPPYesOPPYesOPPYesOPPPower supply connectorFan adjust me120 mmOPPYesOPPYesOPPYesOPPYesOPPYesOPPYesOPPYesOPPYesOPPYesOPPYesOPPYesOPPYes	Ground wire	Yes		
OPPYesImplementationYesImplementationYesImplementationYesImplementationIEC C14ImplementationJournationImplementationAutomaticImplementationSecondImplementationS	OVP	Yes		
OTPYesGCYesUVPYesPower supply connectorIEC C14Fan size120 mmFan adjustmentsAutomaticCable length45 - 75 cmPower cable includedYes	OCP	Yes		
SCPYesUVPYesPower supply connectorIEC C14Fan size120 mmFan adjustmentsAutomaticCable length45 - 75 cmPower cable includedYes	OPP	Yes		
UVPYesPower supply connectorIEC C14Fan size120 mmFan adjustmentsAutomaticCable length45 - 75 cmPower cable includedYes	OTP	Yes		
Power supply connectorIEC C14Fan size120 mmFan adjustmentsAutomaticCable length45 - 75 cmPower cable includedYes	SCP	Yes		
Fan size120 mmFan adjustmentsAutomaticCable length45 - 75 cmPower cable includedYes	UVP	Yes		
Fan adjustmentsAutomaticCable length45 - 75 cmPower cable includedYes	Power supply connector	IEC C14		
Cable length45 - 75 cmPower cable includedYes	Fan size	120 mm		
Power cable included Yes	Fan adjustments	Automatic		
	Cable length	45 - 75 cm		
Material Galvanized steel	Power cable included	Yes		
	Material	Galvanized steel		

3

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	1.26 kg
Gross weight	1.33 kg
CE compatibility	Yes
FCC compatibility	No
RoHS compatibility	Yes
REACH compatibility	Yes
Included accesories	Cable IEC C13 1 m
EAN code	5901720134585
Warranty	24 months







Description

3

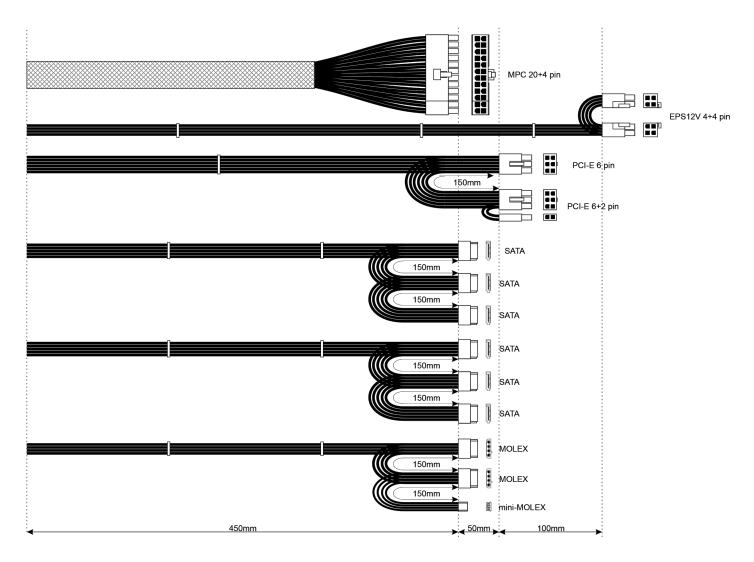
Akyga® AK-U4-500 ATX power supply Ultimate series 500W, compatible with ATX 2.31 standard.

Advanced parameters allow for use in complex configurations. The power supply has **6 SATA** connectors, **2 MOLEX** connectors, **mini-MOLEX** connector, **PCI-E 6+2-pin** connector, **PCI-E 6-pin** connector, **EPS12V 4+4-pin** connector and a universal **24-pin**motherboard connector. Silent 12 cm fan with chromed grill provide efficient cooling. **Manual on/off switch** allows for safe power cut off without the need of disconnecting the network cord. High efficiency and stable operation of the power supply affects the reliability of all computer components.

Several important protectors (OVP, OCP, OPP, OTP, SCP, UVP) and **active PFC filter** protect and prevent main computer parts from damage and stabilize the operation of the power supply so that it works without any unwanted interference. **1 m** power cord included.

The guarantee of high efficiency is the **<u>80 PLUS® certificate</u>**, which ensures that at least 80% of the energy transferred by the power supply is received by the supplied components.

Cable map



Nameplate

3

	Professional Power S		B tions		AT)	(12V v2.31	Model: AK-U	4-500	
	AC INPUT		115/230V / 60/50Hz					ш	
	DC OUTPUT	+3,3V	+5V	+12V	-12V	+5VSB			
	MAX CURRENT	15A	15A	35A	0,3A	2A	3	V	
	MAX COMBINED	10:	3W	420W	3,6W	10W			
	TOTAL POWER			500W	õ	Se Se			
$\frac{\text{CAUTION!}}{\text{Do not remove this cover. Trained service personnel only. No user serviceable parts inside.}$ $\frac{\text{FC}}{\text{FC}} \text{FC} $									