

# DK PREMIUM

1STPLAYER  
PC POWER SUPPLY



## Feature:

- 12 cm Hydraulic bearing fan
- EFF. high as 90% under full load
- Active PFC
- Multi protections: OVP, OPP, UVP, SCP
- Japanese main capacitors



POWER SUPPLY  
DK SERIES

# SAFETY AND PROTECTION

Your new power supply unit comes equipped with multiple protective features to ensure safe and reliable operation:

**Under-Voltage Protection (UVP)** shuts the PSU off if the voltage the PSU is providing to the PC drops below accepted values.

**Over-Voltage Protection (OVP)** Monitors 12V, 5V, and 3.3V outputs. Automatically shuts down the PSU if voltage exceeds safe levels.

**Over-Power Protection (OPP)** Turns off the PSU if power draw reaches preset percentage of the rated capacity.

**Short-Circuit Protection (SCP)** Activates when output impedance falls below 0.1 ohms. Protects against shorts between rails or to ground, preventing damage to the PSU and system components.

These safety mechanisms work together to protect your computer system and the power supply itself from potential electrical hazards. For optimal performance and longevity, always operate your PSU within its rated specifications.



POWER SUPPLY  
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# SPECIFICATIONS PS-500AX

DK 5.0 BRONZE 500W

MODEL	PS-500AX
POWER OUTPUT	500 W
INPUT VOLTAGE	100 - 240V
INPUT CURRENT	10 A
INPUT FREQUENCY	50 - 60 Hz
EFFICIENCY	90% at full load
CERTIFICATION	80 PLUS Bronze
DIMENSIONS (L x W x H)	140 x 150 x 86 mm
MODULAR	Non-modular
PFC	Active PFC
FAN SIZE	120 mm hydraulic bearing fan
PROTECTIONS	UVP, OVP, OPP, SCP
REGULATORY	CE/FCC/RoHS/CCC/EAC/CB/RCM
WARRANTY	5 years

DC OUTPUT	MAX LOAD (A)	MAX OUTPUT (W)
+3.3V	20	100
+5V	20	
+12V	41	492
+5Vsb	2.5	12.5
-12V	0.3	3.6



POWER SUPPLY  
DK 5.0  
PS-500AX

# SPECIFICATIONS PS-600AX

DK 6.0 BRONZE 600W

MODEL	PS-600AX
POWER OUTPUT	600 W
INPUT VOLTAGE	100 - 240V
INPUT CURRENT	10 A
INPUT FREQUENCY	50 - 60 Hz
EFFICIENCY	90% at full load
CERTIFICATION	80 PLUS Bronze
DIMENSIONS (L x W x H)	140 x 150 x 86 mm
MODULAR	Non-modular
PFC	Active PFC
FAN SIZE	120 mm hydraulic bearing fan
PROTECTIONS	UVP, OVP, OPP, SCP
REGULATORY	CE/FCC/RoHS/CCC/EAC/CB/RCM
WARRANTY	5 years

DC OUTPUT	MAX LOAD (A)	MAX OUTPUT (W)
+3.3V	20	100
+5V	20	
+12V	50	600
+5VSb	2.5	12.5
-12V	0.3	3.6



POWER SUPPLY  
DK 6.0  
PS-600AX

# SPECIFICATIONS PS-700AX

DK 7.0 BRONZE 700W

MODEL	PS-700AX
POWER OUTPUT	700 W
INPUT VOLTAGE	100 - 240V
INPUT CURRENT	10 A
INPUT FREQUENCY	50 - 60 Hz
EFFICIENCY	90% at full load
CERTIFICATION	80 PLUS Bronze
DIMENSIONS (L x W x H)	140 x 150 x 86 mm
MODULAR	Non-modular
PFC	Active PFC
FAN SIZE	120 mm hydraulic bearing fan
PROTECTIONS	UVP, OVP, OPP, SCP
REGULATORY	CE/FCC/RoHS/CCC/EAC/CB/RCM
WARRANTY	5 years

DC OUTPUT	MAX LOAD (A)	MAX OUTPUT (W)
+3.3V	20	100
+5V	20	
+12V	58	696
+5VSb	2.5	12.5
-12V	0.3	3.6



POWER SUPPLY  
DK 7.0  
PS-700AX

# SPECIFICATIONS PS-800AX

DK 8.0 BRONZE 800W

MODEL	PS-800AX
POWER OUTPUT	800 W
INPUT VOLTAGE	100 - 240V
INPUT CURRENT	10 A
INPUT FREQUENCY	50 - 60 Hz
EFFICIENCY	90% at full load
CERTIFICATION	80 PLUS Bronze
DIMENSIONS (L x W x H)	140 x 150 x 86 mm
MODULAR	Non-modular
PFC	Active PFC
FAN SIZE	120 mm hydraulic bearing fan
PROTECTIONS	UVP, OVP, OPP, SCP
REGULATORY	CE/FCC/RoHS/CCC/EAC/CB/RCM
WARRANTY	5 years

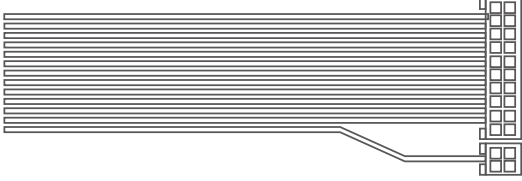

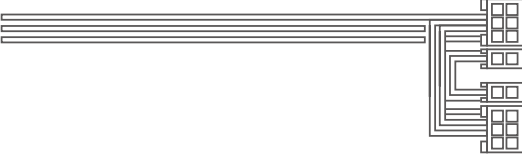
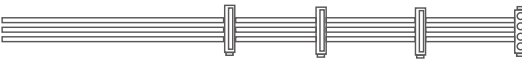
DC OUTPUT	MAX LOAD (A)	MAX OUTPUT (W)
+3.3V	20	100
+5V	20	
+12V	66	792
+5VSb	2.5	12.5
-12V	0.3	3.6



POWER SUPPLY  
DK 8.0  
PS-800AX

# CABLE INFORMATION PS-500AX / PS-600AX

DK 5.0 500W / DK 6.0 600W

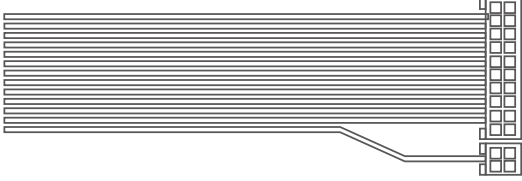

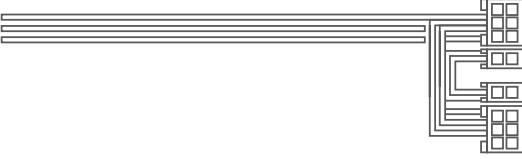

CONNECTORS	TOTAL LENGTH	QUANTITY
ATX Cable 24-pin (Motherboard) 	500 mm	1
ATX12V Cable 8-pin (4+4 CPU) 	800 mm	1
PCI-E Cable (6+2 GPU) 	700 mm	1
SATA IDE Cable (SSD/HDD/Fan) 	900 mm	2



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# CABLE INFORMATION PS-700AX / PS-800AX

DK 7.0 700W / DK 8.0 800W

CONNECTORS	TOTAL LENGTH	QUANTITY
ATX Cable 24-pin (Motherboard) 	500 mm	1
ATX12V Cable 8-pin (4+4 CPU) 	800 mm	1
PCI-E Cable (6+2 GPU) 	700 mm	2
SATA IDE Cable (SSD/HDD/Fan) 	750 mm	3



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# INSTALLATION GUIDE

**Before You Begin, ensure your system is powered off and unplugged from any power source.**

## **Step 1: Removing the Existing PSU (Skip if building a new system)**

1. Unplug the AC power cord from both the wall outlet and the current PSU.
2. Carefully disconnect all power cables from your components (GPU, motherboard, drives, etc.).
3. Remove the old PSU from your case following your chassis manual instructions.

## **Step 2: Installing Your New PSU**

1. Verify the PSU's AC power cable is disconnected.
2. Mount the new PSU in your case using the provided screws.
3. Connect the main power cables:
  - Attach the 24-pin ATX cable to your motherboard.
  - Connect the CPU power cable (4-pin, 8-pin, or 4+4-pin) as required by your motherboard.
4. Connect component power cables:
  - SATA power cables to SSDs, HDDs, and optical drives.
  - PCIe power cables to your graphics card(s) if needed.
  - Peripheral (Molex) cables to any components requiring them.
5. Double-check all connections are secure.
6. Organize cables for optimal airflow, using cable management features in your case.
7. Connect the AC power cord to the PSU, but don't plug it into the wall yet.

### **Important Notes:**

- Use only the cables provided with your new PSU to ensure compatibility and safety.
- Refer to your motherboard and GPU manuals for specific power requirements.

**After installation, ensure all components are properly connected before powering on your system.**

