ACK

SERIES

80 PLUS
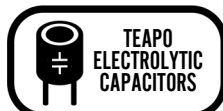# GOLD

ACK GOLD

Features:

- Full modular design
- ATX 3.1 and PCI-E 5.1 ready
- Embossed Cable: Stylish, durable, and flexible
- Teapo electrolytic capacitors
- 14 mm hydraulic bearing fan
- 80 PLUS and Cybenetics Gold certified
- 7-year warranty for peace of mind

1st PLAYER

TEAPO ELECTROLYTIC CAPACITORS

14 CM HYDRAULIC BEARING FAN

CYBENETICS GOLD

80 PLUS GOLD

SPECIFICATIONS

MODEL	**HA-750BA2**
POWER OUTPUT	750 W
INPUT VOLTAGE	100 - 240 VAC
INPUT FREQUENCY	47 - 63 Hz
MAX CURRENT	10 A
EFFICIENCY	91.07% at typical loading
DIMENSIONS (L x W x H)	145 x 150 x 86 mm
MODULAR	Full Modular
CERTIFICATIONS	80 PLUS Gold, Cybenetics Gold
WARRANTY	7 years
PFC	Active PFC
FAN SIZE	140 mm hydraulic bearing
PROTECTIONS	OVP, OPP, SCP, OCP, UVP, OTP
OPERATION TEMPERATURE	0 ~ 40°C
CIRCUIT STRUCTURE	LLC + DC-DC

DC OUTPUT	MAX LOAD (A)	MAX OUTPUT (W)
+3.3V	20 A	100 W
+5 V	20 A	
+12 V	62 A	744 W
+5VSB	2.5 A	12.5 W
-12V	0.3 A	3.6 W

SPECIFICATIONS

MODEL	HA-850BA2
POWER OUTPUT	850 W
INPUT VOLTAGE	100 - 240 VAC
INPUT FREQUENCY	47 - 63 Hz
MAX CURRENT	10 A
EFFICIENCY	91.42% at typical loading
DIMENSIONS (L x W x H)	145 x 150 x 86 mm
MODULAR	Full Modular
CERTIFICATIONS	80 PLUS Gold, Cybenetics Gold
WARRANTY	7 years
PFC	Active PFC
FAN SIZE	140 mm hydraulic bearing
PROTECTIONS	OVP, OPP, SCP, OCP, UVP, OTP
OPERATION TEMPERATURE	0 ~ 40℃
CIRCUIT STRUCTURE	LLC + DC-DC

DC OUTPUT	MAX LOAD (A)	MAX OUTPUT (W)
+3.3V	20 A	100 W
+5 V	20 A	
+12 V	70 A	840 W
+5VSB	2.5 A	12.5 W
-12V	0.3 A	3.6 W

CABLE INFORMATION

CONNECTORS	LENGTH	750W	850W
ATX Cable 24-pin (MB)	610 mm	1	1
ATX12V Cable 8-pin (CPU 4+4)	700 mm	2	2
PCI-E Cable 12V-2x6 (GPU 12+4)	700 mm	1	1
PCI-E Cable 8-pin (GPU 6+2)	750 mm	2	3
SATA + IDE Cable (SSD/HDD)	450 mm	2	2

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.

Over-Current Protection (OCP) Keeps 3.3V, 5V, and 12V rail outputs within safe operating limits.

Over-Temperature Protection (OTP) Shuts down the PSU if internal temperature becomes too high, typically due to overloading or fan failure.

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

EAC CB RoHS FC CE UK CA ⟨⟩ SAA-202494-EA

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 or 12V-2x6 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:
Refer to your motherboard and GPU manuals for specific power requirements.

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