WD500K

- Rated Power: 500W
- PFC Type: A-PFC/80V-280V
- Topology Structure: LLC+DC-DC
- Energy Rating: 80 Plus Gold
- Cooling Fan: 12cm silent hydraulic fan
- P(4+4) Length: 65CM
- (20+4)Pin Length: 50CM
- 4PIN Connector: HDD 4PIN 2 Connectors,FDD 4PIN 0 Connector
- SATA: 4
- PCI-E Connector: (6+2-6+2)P*1
- SIZE(MM): 150(L)x140(W)x86(H)

Sales Inquiry

Categories: PC Peripheral, Power Supply, WDK Series

- **Description**

Description

Huntkey
Power Your Dream
NOT ONLY
A PREMIUM POWER
BUT ALSO
AN EFFICIENCY MASTER

WD500K
SWITCHING POWER SUPPLY
Huntkey
80 PLUS
GOLD
CAUTION

WD Series Cumulative Sales

2500000

WD500: power saving, stable, user-friendly
WD500K: high efficiency, stable, durable, easy to use

source: Huntkey sales team statistics (till Feb 2018)

80 PLUS GOLD
Platinum frame design LLC+DC-DC, 50% load efficiency
8% higher compared to the two-transistor forward (85%)
80
PLUS
GOLD
source: lab testing, 230V, 75% humidity

Low Power Consumption
MOSFET & Synchronous Rectification
The overall consumption is reduced by about 80%,
and the standby power consumption is reduced by 50%
Lower standby power Consumption: standby power consumption＜0.5W,
far below the industry standard 1W, increased by 50%
source: lab testing, 230V, 75% humidity

Wide Voltage Upgrade

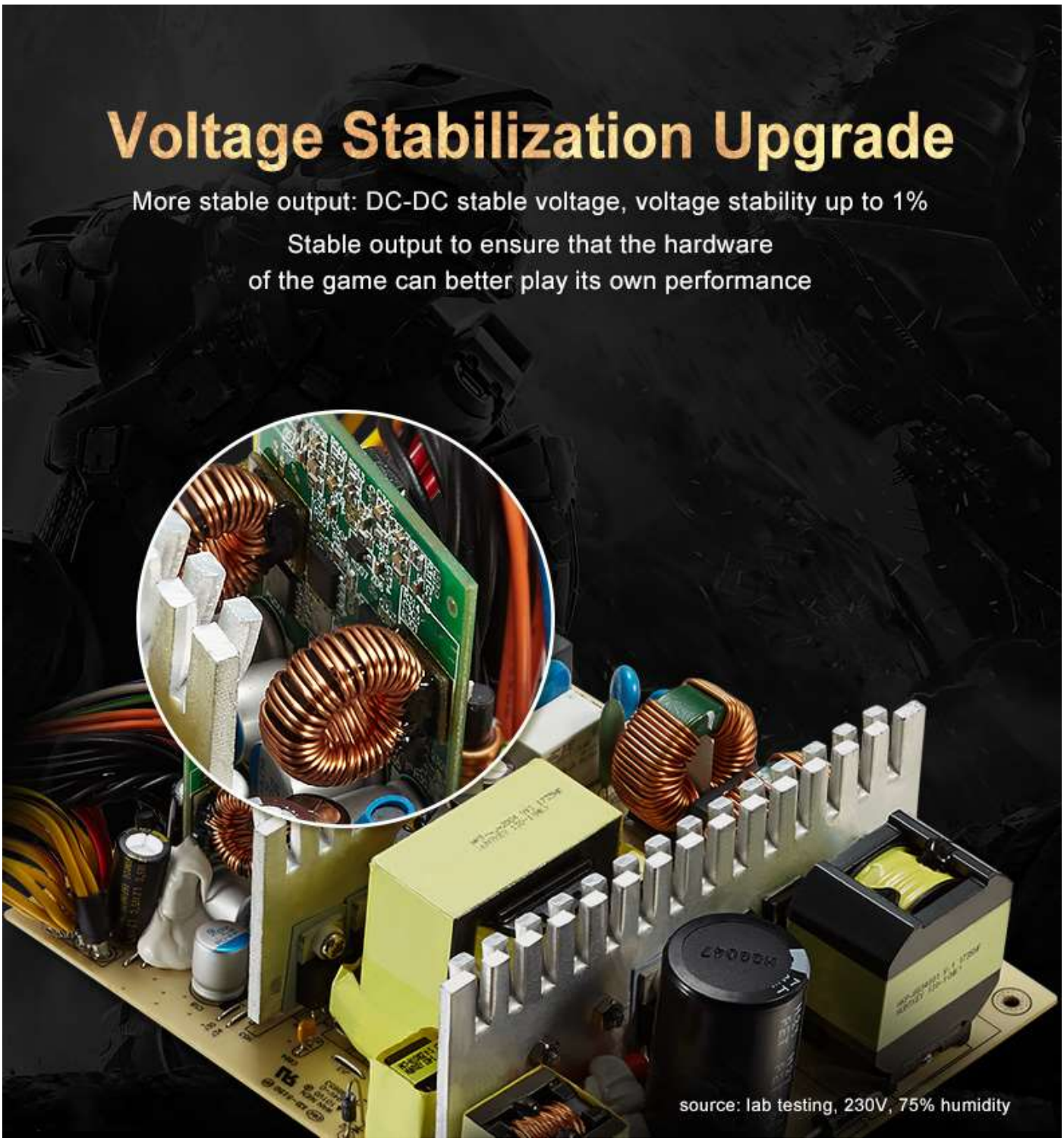
Wide Voltage→Support 80-280V→Range Increase
The voltage application range is wider,
and it can avoid the risk of downtime caused by voltage instability under power peaks and severe weather like thunderstorms.

source: lab testing, 230V, 75% humidity

Voltage Stabilization Upgrade

More stable output: DC-DC stable voltage, voltage stability up to 1%

Stable output to ensure that the hardware
of the game can better play its own performance



source: lab testing, 230V, 75% humidity

Output Upgrade

More stable output: +5V/3.3V independent control loop, suitable for gaming power environment

Dynamic load is more stable, with single-channel 40A high current, more stable when playing large games

Material Upgrade

PET protective cables: beautiful and durable,
Japanese and solid CAPS, can reduce output ripple

Low loss enclosed PFC inductor: reduce magnetic loss, resist interference,
secondary impregnation transformer, reduce coil vibration

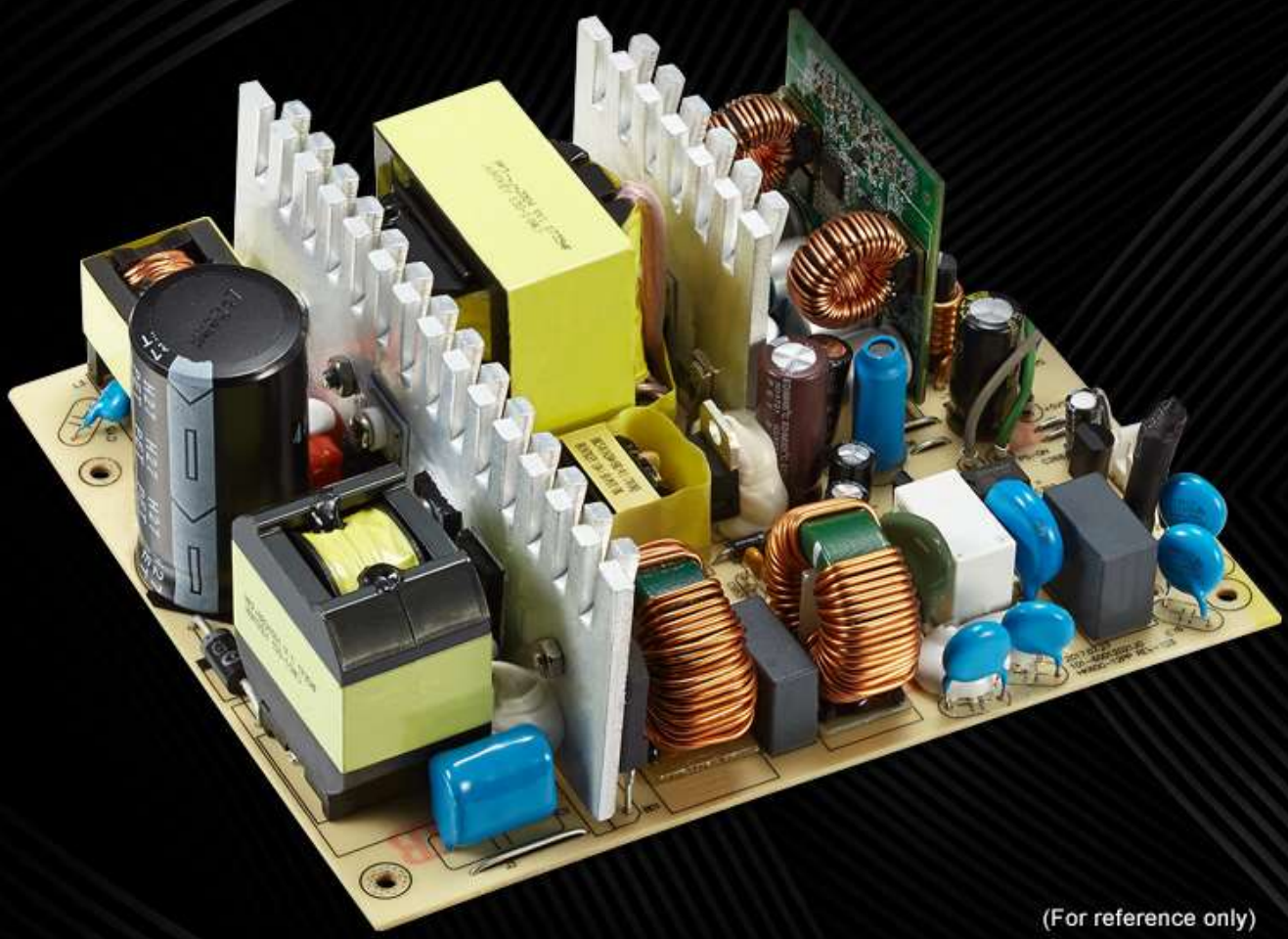
Low-resistance and high-frequency main switching tube: higher working efficiency

when lack of original materials, other materials of the same specification shall be used.

Technology Upgrade

Mature manufacturing process: more than 75% of the RI automation process, flat wave soldering technology, the tin surface is clean and tidy

A new generation of Y-shaped heat sink, better layout and good heat dissipation effect



(For reference only)

Quality Upgrade

Strict quality specifications & 22 strict inspection procedures

PS: due to product upgrades, the I/O and triangle socket directions are subject to the actual product.

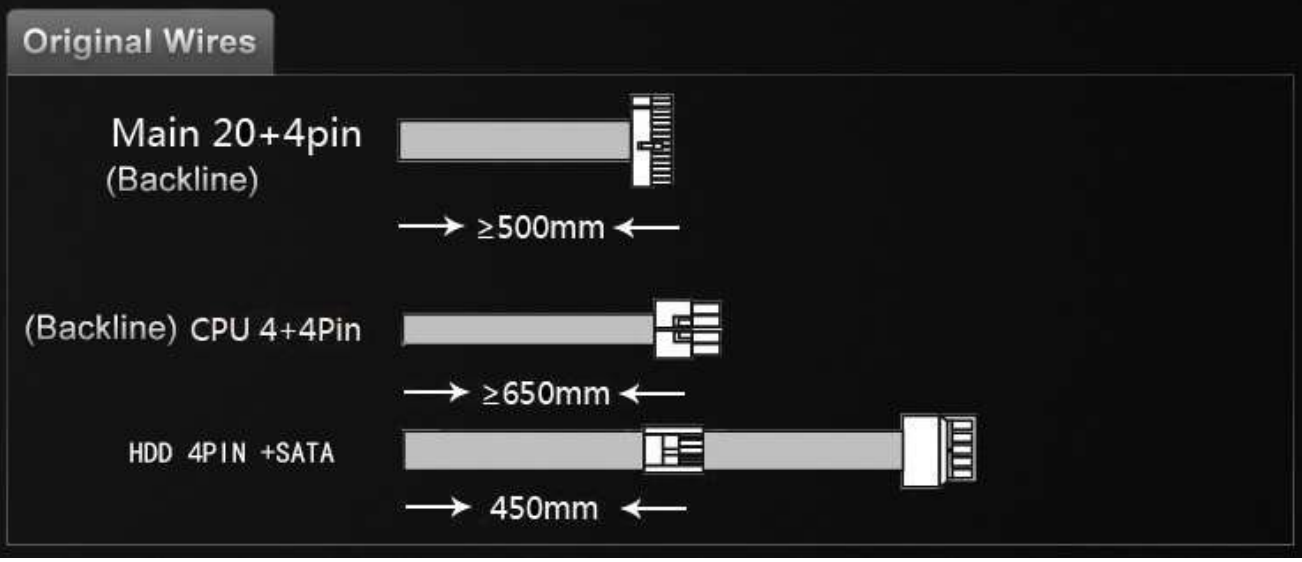
Backline

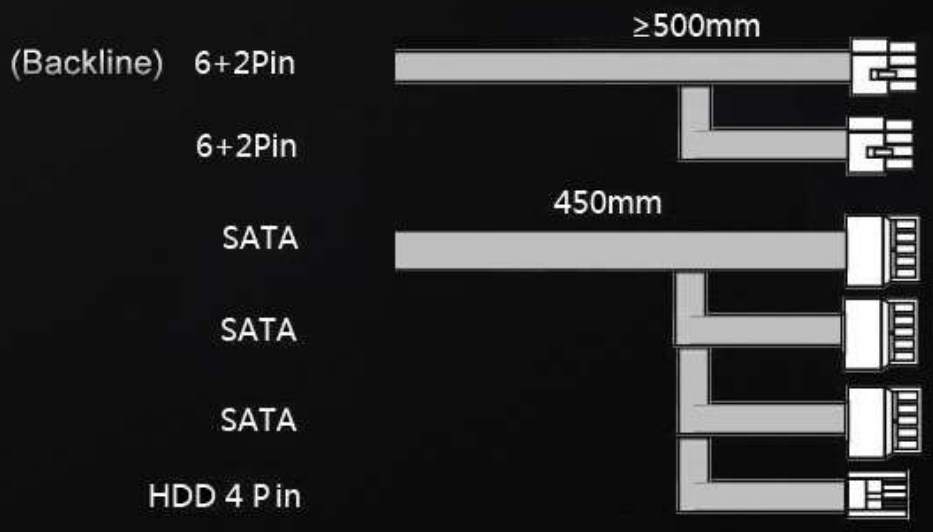
650mm CPU cable, supporting the backline requirements of mid-to-high-end gaming cases

Sliding buckle design: convenient combination plugging and unplugging, compatible with the needs of various motherboards

12 cm silent hydraulic fan, intelligent temperature control circuit

Original Wires





All meet the tolerance requirements, -/+10mm

Silent Fan

12 cm silent hydraulic fan,
intelligent temperature control circuit

Sliding Buckle Design

Display of Installation

Recommended use with N/A flagship graphics card

(for reference only)

Rated Power	500W	Backward Cable Management	Long PET Protective Cables
Fan	12cm	Mainboard Connector	(20+4)P
Box	Colorful Box	CPU Connector	4+4P (650mm)
AC Cable	AC	Graphics Card Connector 1	6+2P
Energy Efficiency	80 PLUS Gold	Graphics Card Connector 2	6+2P
+12V Rail	40A	SATA	4
Input Voltage	100-240V	HDD 4PIN	2
PFC Type	Active	FDD 4PIN	0
Topological Structure	LLC+DC-DC	ROHS	ROHS
Housing	Black Paint	Safety Standard	CCC (5000m)
I/O Switch	Equipped	Dimensions	150*86*140mm

Related Products