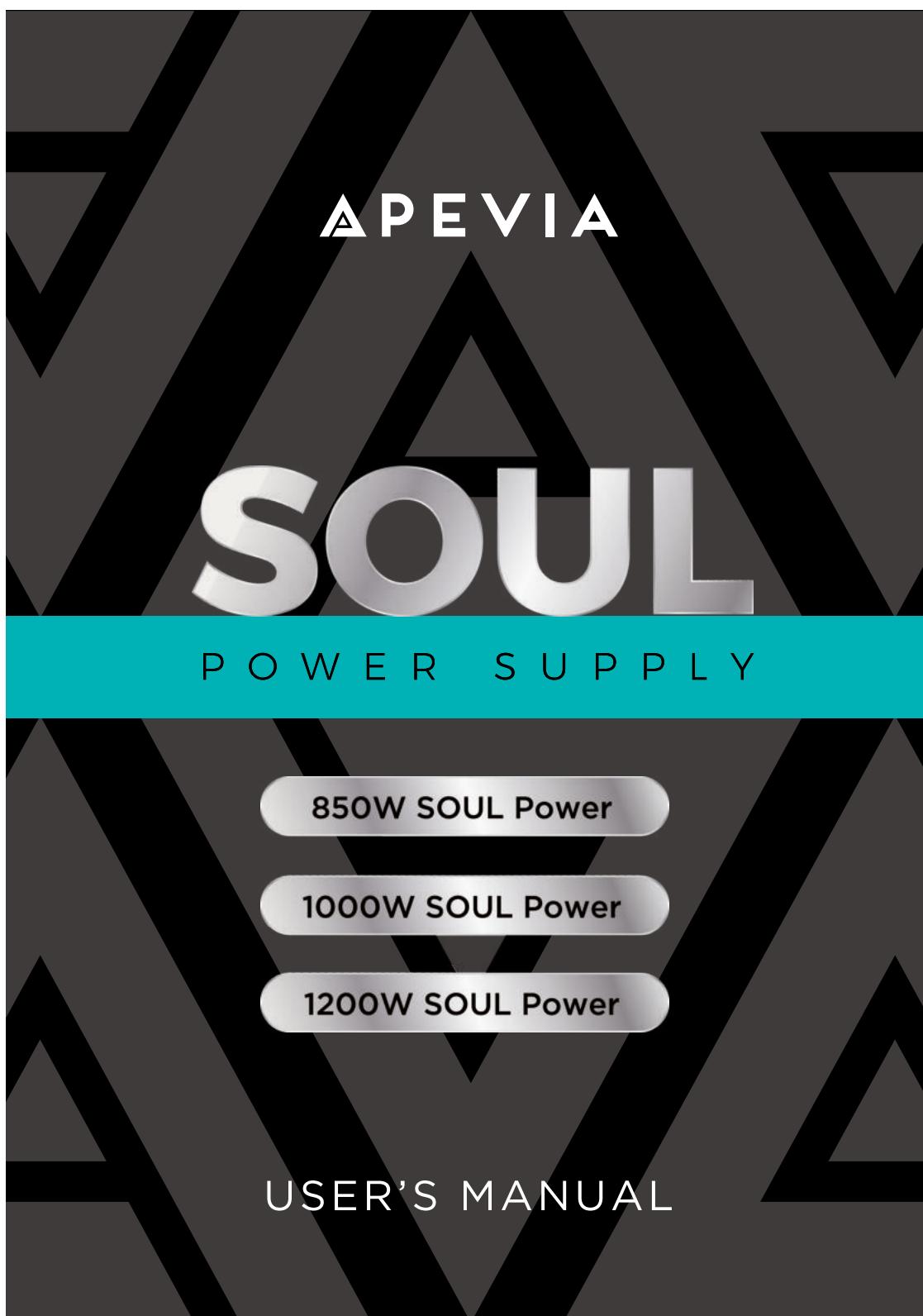


(148\*210 mm)封面彩印250G铜版纸+亚胶-内页80G书纸单黑印刷





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# 1. Product Features

## A. Next-Gen GPU Ready

Compliant with ATX 3.1 and PCIe 5.1, includes a 16-pin PCIe cable delivering up to 600W for NVIDIA® GeForce RTX™ 40/50 Series GPUs.

## B. Modular & Clean Build

Semi / Fully modular with flat cables for improved airflow and simplified cable management.

## C. Stable Power Delivery

Active PFC and Full Bridge 12V synchronous rectification ensure safe, consistent performance.

## D. Fast Dynamic Response

DC-to-DC converter design maximizes +12V rail output and improves system stability.

## E. Powerful +12VRail

Robust +12V output with enhanced current handling for broader hardware compatibility.

## F. Broad Platform Support

Supports multi-CPU setups with 6-pin and 8-pin PCIe connectors for full GPU compatibility.

## G. Intelligent Cooling

135mm silent black fan with automatic thermal speed control for quiet, efficient airflow.

## H. Compact Size

Dimensions: 150 x 158 x 86mm (5.9" x 6.2" x 3.4").

## I. Full Protection Suite

Includes OVP (Over Voltage Protection), OPP (Over Power Protection), and SCP (Short Circuit Protection) for safe, reliable operation under all conditions.

## 2. Product Specifications:

- a. AC input voltage: 100-240V
- b. AC input frequency: 60Hz/50Hz
- c. Operating temperature: The power supply should be operated in an ambient temperature of 0°C to 40°C
- d. DC output:

<b>Model</b>	850W SOUL Power				
AC Input	100-240V , 10A / 5A , 50-60Hz				
DC Output Voltage	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	70.8A	0.3A	3A
Combined Power	100W		850W	3.6W	15W
Total Power	850W				
<b>Model</b>	1000W SOUL Power				
AC Input	100-240V , 15A / 7.5A , 50-60Hz				
DC Output Voltage	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	83.3A	0.3A	3A
Combined Power	100W		1000W	3.6W	15W
Total Power	1000W				
<b>Model</b>	1200W SOUL Power				
AC Input	100-240V , 15A / 7.5A , 50-60Hz				
DC Output Voltage	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	100A	0.3A	3A
Combined Power	100W		1200W	3.6W	15W
Total Power	1200W				

### 3. Overall Performance:

- a. Hold up time: 14ms at full load normal line input voltage.
- b. Switching frequency: 50KHz at normal line input.
- c. Stability: +/- 5% for 24KHz after warm up.

### 4. Protections:

- a. Under voltage protection.

If an under voltage fault occurs, the supply will latch all DC outputs into a shutdown state when +12V,+5V & +3.3V outputs under 60% of its maximum value.

- b. Over voltage protection

Output	Minimum	Nominal	Maximum	Unit
+12 VDC	13.4	15.0	17	Volts
+5 VDC	5.70	6.3	7.0	Volts
+3.3 VDC	3.70	4.2	4.8	Volts

- c. Short circuit

An output short circuit is defined as any output impedance less than 0.1 ohms. The power supply shall shut down and latch off for shorting the +3.3 VDC,+5 VDC or +12 VDC rails.

Shorts between main output rails and +5VSB shall not cause any damage to the power supply. The power supply shall either shut down and latch off or fold back for shorting the negative rails.+5VSB must be capable of being shorted indefinitely, but when the short is removed, the power supply shall recover automatically or by cycling PS\_ON#. The power supply shall be capable of withstanding a continuous short-circuit to the output without damage or overstress to the unit.

d. Over-power protection

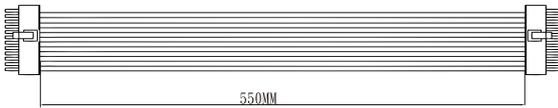
The power supply will be shut down and latch off when output power is 110%~150%

## 5. Dimensions:

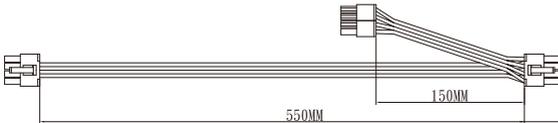
150mm x 158mm x 86mm (5.9" x 6.2" x 3.4") W x L x H

## 6. Description of Connectors:

850W / 1000W fully modular



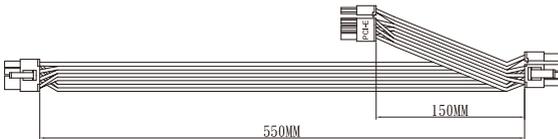
ATX Main Connector 24Pin/ 20+4Pin x1



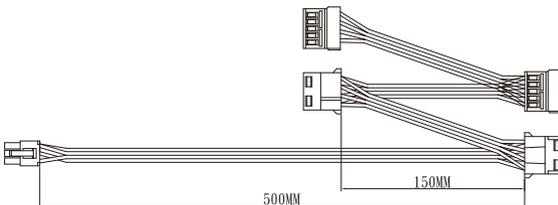
EPS 12V Connector 8Pin x1 / 4+4Pin x1



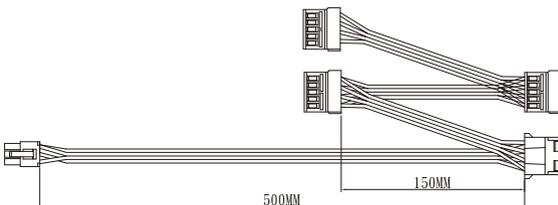
PCI Express 5.1 12VHPWR 12+4pin x1



8Pin/PCI Express+PCI Express Connectors x2-850W  
8Pin/PCI Express+PCI Express Connectors x3-1000W

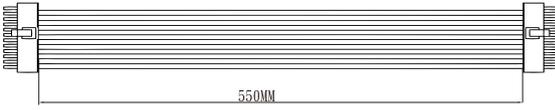


6Pin/Peripheral+Peripheral+ SATA+SATA Connectors x1



6Pin/Peripheral+SATA+SATA+SATA Connectors x1

# 1200W full-modular



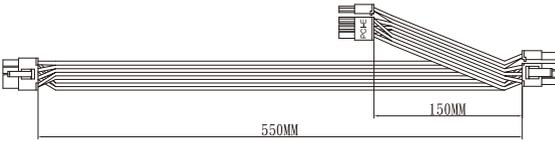
ATX Main Connector 24Pin / 20+4Pin x1



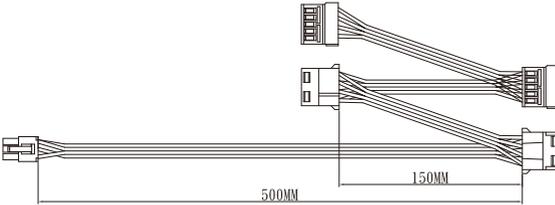
EPS 12V Connector 8Pin x1 / 4+4Pin x2



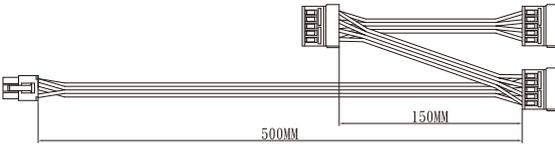
PCI Express 5.1 12VHPWR 12+4pin x1



8Pin/PCI Express+PCI Express Connectors x3



6Pin/Peripheral+Peripheral+SATA+SATA Connectors x2



6Pin/SATA+SATA+SATA Connectors x1

## 7. Precautions:

Warning! To avoid the risk of electrical shock, unauthorized persons need the following precautions:

- a. Do not open the power supply case!
- b. Avoid exposure to humidity.

## 8. Information:

Thank you for purchasing a high-quality Apevia product! Please visit our website at <http://www.apevia.com> for complete warranty information and future support for your product. For the latest release information, or should you have any questions, please visit our website, or contact us at:

Support Phone Number: 1-909-718-0789

Support E-mail: [support@apevia.com](mailto:support@apevia.com)

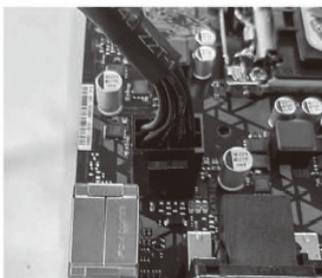
## 9. Installation:

### STEP 1



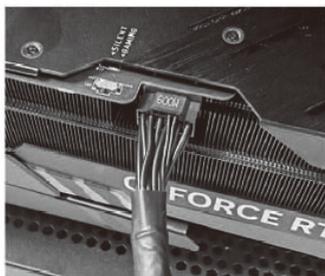
Plug the 24-pin connector onto the motherboard.

### STEP 2



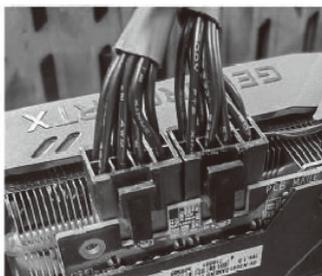
4-pin or 8-pin (4+4pin) + 12V connector used for CPU only.

### STEP 3



PCIe 5.0 connector to the most advanced graphics cards

### STEP 4



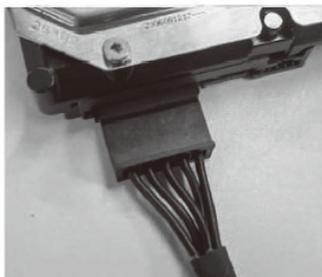
PCI express connector for video card only.

### STEP 5



4-pin molex connectors used for hard drive, CD-ROM and cooling fans.

### STEP 6



SATA connectors used for SATA hard drives.

## 10. Troubleshooting:

If power supply fails to operate properly, please check the following before requesting for an RMA:

- a. Please make sure the power supply and power cord is connected properly.
- b. Please make sure the power cord is plugged into the power socket.
- c. Please make sure the power supply I/O button is switched to the “ I ” position.
- d. Please check if all the connectors (motherboard, floppy and peripherals) are connected properly.
- e. Please allow 5 seconds interval before turning the power on again when power supply is switched off manually (setting the I/O switch to the “ O ” position)

# SOUL

POWER SUPPLY

850W SOUL Power

1000W SOUL Power

1200W SOUL Power

# ▲PEVIA



[www.apevia.com](http://www.apevia.com)