Thank you for choosing our product. Please read this manual carefully before using this product.

**Copyright Information**

The design of this product (including internal software) and its accessories is protected by national laws. Any infringement of our rights shall be subject to the legal sanctions. When using this product, the user shall consciously abide by the national laws.

**Common Symbol Description**

Thank you for using our product. Please read this manual carefully and pay attention to the relevant warnings and notices mentioned in the manual before using this product.

<table>
<thead>
<tr>
<th>Warning</th>
<th>Noncompliance may cause death or serious injury to the user.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notice</td>
<td>Noncompliance may cause injury to the user or substantial damage to the object.</td>
</tr>
</tbody>
</table>

**User Prerequisites**

We request that the user should have common sense of life and the basic electrical operating knowledge before using this product. The minor shall use this product under the guidance of professionals or guardians.

**Safety Precautions**

The user shall follow the following basic precautions to avoid electric shock or personal injury or fire and other hazards when using this product.

To ensure personal safety, the user shall use the parts and accessories recognized or recommended by ATTEN, otherwise it will cause serious consequence!

**Product Introduction**

APS series power supply is designed for the needs of electronic training schools, communication maintenance technicians and related engineering research and development personnel. The current best-stability series voltage stabilization scheme is adopted for this product, and the digital MCU chip is used for control. With very high stability and low ripple, simple operation and control, and complete protection functions, it provide the user with convenient and reliable high quality power supply.

**Product Specification**

Power input: refer to the voltage identification at the tail of the product (other input voltage can be customized).

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage Regulation Range</th>
<th>Current Regulation Range</th>
<th>Input Power</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>APS22-5A</td>
<td>0-22V</td>
<td>0-0.5A/0.5A</td>
<td>220VA</td>
<td>3.6Kg</td>
</tr>
</tbody>
</table>

Dimensions: (L) 215mm * (W) 88mm * (H) 150mm

Protection function: over-voltage protection/over-current protection (cut-off type, delayed opening) overheat protection.

Other functions:
- Lack function, voltage coarse and fine adjustment, alarm function, 0.5A/5A current switch.
- Panel meter, support USB fast charge, current display, 9V isolated output.
- Cooling method: temperature-controlled fan, forced air cooling

Operating environment: 0°C~40°C, <80% relative humidity (indoor use)

Storage temperature and humidity: -10°C~70°C, <70% relative humidity.

Packing list: host 1pcs, power line 1pcs, user manual 1pcs, output line 1pcs

**Technical Parameters**

CV/CC mode:
- Output voltage range: 0 to rated voltage can be adjusted continuously
- Power supply variation rate: CVs 0.01% ±3mV CCs 0.1% ±3mA
- Load change rate: CVs 0.01% ±4mA (rated currents 3A) CCs 0.01% ±3mA
Operating Instructions

1. Precautions before use
   AC power input: AC power input shall be within the range of rated voltage ±10% 50/60Hz.
   ! Warning: the protective conductor of the power line must be earthed to avoid electric shock.
   Instrument installation: Avoid using this power supply in the environment above 40°C, Reserve enough space for heat emission holes on the rear panel to dissipate heat.
   Notice: To avoid damage to the instrument, do not operate it in the environment above 40°C.

2. Output voltage regulation
   1. Turn on the power switch to make the product work normally.
   2. Pull the voltage and current switch to the “V” position and adjust the knob to the right to increase the output voltage value.
   3. Adjust the knob to the left to decrease the output voltage value.
   4. Press the adjustment knob forward to change the fine adjustment and coarse adjustment status.
   5. In the fine adjustment state, it is adjusted in steps of about 3mV, and in the coarse adjustment state, it is adjusted in steps of about 0.15V.

3. Output current regulation
   1. When the current gear switch is switched to 0.5A gear, the host can provide a maximum output current of 0.6A. When the actual output current exceeds about 0.6A, the power supply will automatically overrange protection. At this time, the power supply will temporarily shut down the output for about 2s and a buzzer alarm is performed to prompt the user to switch gears.
   2. When the current gear switch is switched to 5A gear, the host can provide a maximum current output capacity of about 5.7A. When the current output exceeds the set current value, the power supply will automatically switch to constant current output.
   3. Pull the voltage and current switch to the “A” position. At this time, you can adjust the knob to change the output current setting value. Pressing the knob forward can also change the fine adjustment and coarse adjustment status.
   Note: When the power supply is in a constant voltage state, the set value of the current cannot be displayed. In this case, short-circuit the output terminal and the power supply will enter the constant current state. At this time, the ammeter displays the current set value.

Product Warranty
- The company will provide a warranty period of two years for the user since the date of sale. The company will provide free maintenance service for the faults caused by quality problems in the normal use within the warranty period.
- The company will provide the product beyond the warranty period with lifelong maintenance service.
- The company will only provide the limited warranty service for the damage caused by the user's improper use or arbitrary change to product components.
- In case of product failure, please send the product to the designated maintenance point for maintenance. Unauthorized maintenance points and personnel shall not maintain the product.

After-sales Service
After-sales service hotline: +86-0755-23408704
For more contact information, visit the official website www.aften.com.cn.

After-sales Information
SHENZHEN ATEN TECHNOLOGY CO., LTD.
Add: Floor 8,Building 2,Senyang High-tech Park,7 West Road High-tech Park, Guangming New district, Shenzhen 518132, China
TEL: 86-755-23408704 FAX: 0755-86211337
Website: www.aten.com.cn(CN) www.aten.com(EN)
Email: sales@atenn.com.cn

The product requires a certain level of skill and understanding of the user. Special care must be taken when calibrating the multimeter.