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Senzooe XY-SK35

XY-SK35 DC Adjustable Regulated Power Supply Module

User Manual

Model: XY-SK35 | Brand: Senzooe

1. Introduction

The Senzooe XY-SK35 is a versatile DC adjustable regulated power supply module designed for various applications, including solar charging and voltage boosting. It provides stable and adjustable output voltage and current, making it suitable for powering a wide range of electronic devices. This manual provides detailed instructions for the safe and effective use of your XY-SK35 module.



Figure 1: Front view of the XY-SK35 module, showcasing the digital display, adjustment knob, and ON/OFF button.

2. Safety Information

Please read and understand all safety instructions before operating the XY-SK35 module. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not exceed the specified input voltage (24 Volts) or wattage (5 watts).
- Ensure proper polarity when connecting input and output wires. Incorrect connections can damage the module and connected devices.
- Operate the module in a well-ventilated area to prevent overheating.
- Keep the module away from water, moisture, and flammable materials.
- Do not attempt to disassemble or modify the module. Refer all servicing to qualified personnel.
- Always disconnect power before making or changing connections.

3. Product Features

- Adjustable DC output voltage and current.
- Digital display for real-time voltage, current, and power monitoring.
- Integrated ON/OFF button for output control.
- Compact design for easy integration into projects.
- Suitable for solar charging applications.

- Boost voltage capability.

4. Setup and Installation

Follow these steps to set up your XY-SK35 module:

1. **Identify Terminals:** Locate the input (VIN+, VIN-) and output (OUT+, OUT-) terminals on the module.



Figure 2: Side view of the XY-SK35 module, highlighting the input (VIN) and output (OUT) screw terminals.

2. **Input Power Connection:** Connect your DC power source (e.g., solar panel, battery, or power adapter) to the VIN+ and VIN- terminals. Ensure correct polarity: VIN+ to positive, VIN- to negative.
3. **Output Device Connection:** Connect your load or device requiring power to the OUT+ and OUT- terminals. Ensure correct polarity: OUT+ to positive, OUT- to negative.
4. **Secure Connections:** Use appropriate gauge wires and ensure all screw terminals are tightened securely to prevent loose connections and potential arcing.
5. **Mounting (Optional):** The module can be mounted using its integrated mounting tabs if desired.

5. Operating Instructions

Once the module is connected, follow these steps to operate it:

1. **Power On:** Apply power to the input terminals. The digital display will illuminate.

2. **Output Control:** Press the yellow ON/OFF button (labeled with a power symbol) to toggle the output power. When the output is active, the display will show the output voltage and current.
3. **Adjusting Output:** Use the rotary encoder knob (the silver knob) to adjust the output voltage and current.
    - **Voltage Adjustment:** Rotate the knob clockwise to increase voltage, counter-clockwise to decrease.
    - **Current Limit Adjustment:** Press the knob briefly to switch between voltage and current adjustment modes. When in current adjustment mode, rotate the knob to set the current limit.
4. **Monitoring:** The display will continuously show the current output voltage (V), current (A), and power (W).

6. Maintenance

The XY-SK35 module requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Cleaning:** Gently wipe the module with a dry, soft cloth to remove dust. Do not use liquid cleaners or solvents.
- **Storage:** Store the module in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Inspection:** Periodically check connections for tightness and inspect the module for any signs of damage or wear.

7. Troubleshooting

If you encounter issues with your XY-SK35 module, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display/No power	No input power; Incorrect input polarity; Loose connections.	Check input power source; Verify input polarity (VIN+ to positive, VIN- to negative); Secure all connections.
No output voltage/current	Output is off; Output current limit set too low; Overload protection activated.	Press the ON/OFF button to enable output; Adjust current limit higher; Reduce load or check for short circuit.
Incorrect output voltage/current	Knob not adjusted correctly; Load drawing too much current.	Rotate the knob to adjust to desired values; Ensure load is within module's specifications.
Module overheating	Excessive load; Poor ventilation.	Reduce load; Ensure adequate airflow around the module.

8. Specifications

Parameter	Value
Model	XY-SK35
Brand	Senzooe

Parameter	Value
Input Voltage	Up to 24 Volts (DC)
Wattage	5 watts (Max)
Power Source	Solar Powered (compatible)
Number of Items	1
ASIN	B0BYWWBFTS
UPC	707638005413

9. Warranty and Support

Specific warranty information for the Senzooe XY-SK35 module is not provided in the product details. For any support inquiries, technical assistance, or warranty claims, please contact the seller or manufacturer directly through the platform where the product was purchased.

Always refer to the original product listing or packaging for the most accurate and up-to-date warranty terms and contact information.

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