

PPDRAW Draw Memory Saver and Vehicle Draw Monitor



PPDRAW Draw Memory Saver and Vehicle Draw Monitor User Manual

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PPDRAW

PPDRAW Draw Memory Saver and Vehicle Draw Monitor



Product Specifications

- Product Name: PPDRAW
- Power Output: 12V
- Maximum Current Output: 10A
- Charging Port: USB Type-C with PD fast charging support
- Display: TFT Screen
- Battery: High-capacity lithium battery

Product Usage Instructions

Introduction of Product Functions

The PPDRAW device is designed to provide various functionalities including smart output, graphic mode display, Bluetooth connectivity, and charging capabilities.

Appearance, Button Definition, and Icons:

The device features an OBD II Cable, TFT Screen, Link Button, Smart Output Button, Power/Return Button, Graph Button, Menu Button, and USB Type-C Charge Port.

Operation Instructions

1. **Power On/Off:** Long press the power button to turn the device on or off.
2. **Smart Output:** Press the smart output button to activate the 12V output function.

3. **Graphic Mode:** Switch between normal and graphic display modes by pressing the Graph button.
4. **Bluetooth Connection:** Use the link button to enable Bluetooth connectivity for the PowerProbe Link App.
5. **Charging:** Charge the device through the USB Type-C port using a standard charger.

Precautions

Do not exceed the 10A current output limit to avoid overcurrent warnings. The device has temperature protection to prevent overheating.

Troubleshooting

Fault Phenomenon	Solution
The Smart Output function cannot be used due to high temperature.	Wait for the temperature to return to normal after high current operation.
The Smart Output function is disabled during charging.	Unplug the charging cable to use the Smart Output function.
Unable to turn on or off.	Ensure a long press of more than two seconds on the power button; charge if needed.
Unable to charge or connect to the app.	Check battery level and charge using the provided cable if necessary.

FAQ

- **Q: How do I know if the device is fully charged?**

A: The device's charging indicator will show when it is fully charged.

- **Q: Can I use the device while it is charging?**

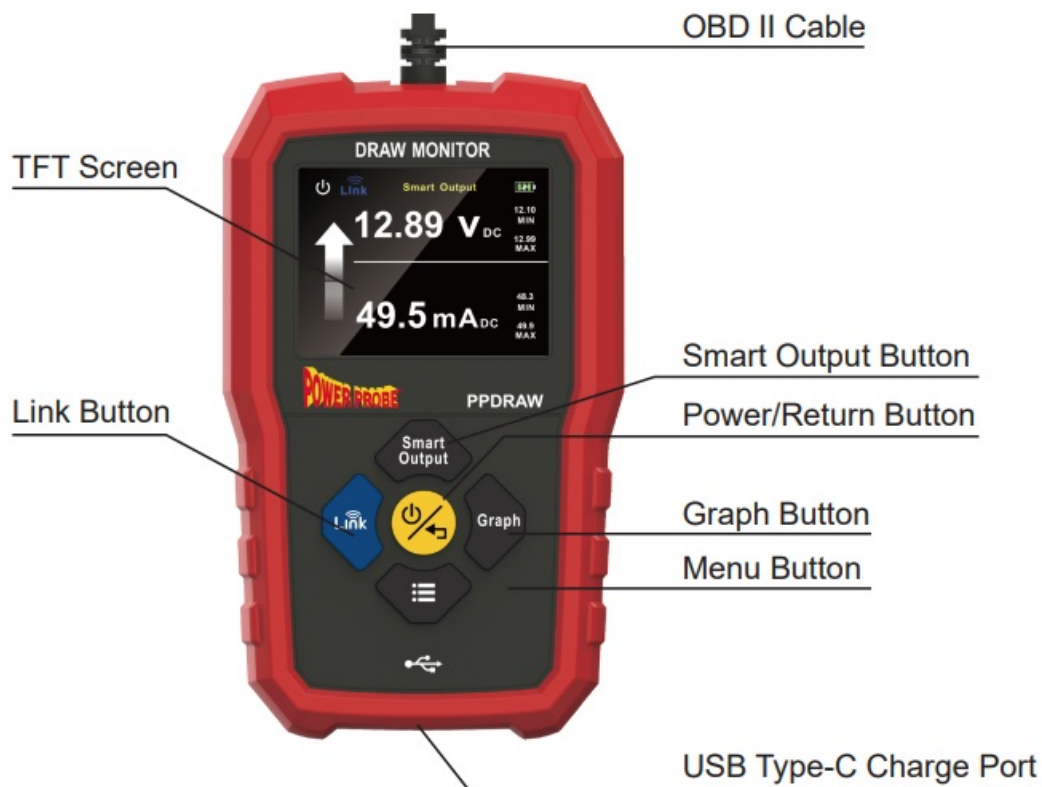
A: It is recommended not to use the device while charging for safety reasons.

PPDRAW

Introduction of Product Functions

Welcome to use our company's Draw Monitor product. This product is designed for use in monitoring car battery voltage, leakage current, and serving as a backup power supply when replacing the battery. The product is connected to the car's OBDII interface via an OBDII connection cable to supply 12V power to the car and monitor the car system's leakage current for diagnosing various faults. It can also serve as a backup power supply for the car during battery replacement, preventing the car's mainboard from losing power and data. Draw Monitor can also monitor battery voltage through the OBDII port. Please read this manual carefully before using the product.

Appearance, Button Definition, and Icons



Operation Instructivons

1. Power On/Off

When the device is powered off, long press the power button to turn it on, and long press the power button to turn it off when it is powered on.

2. Smart Output

The smart output function generates a 12V voltage. If this voltage is higher than the car battery voltage, it will output power through OBDII; otherwise, the output will be cut off to monitor the battery voltage. By default, smart output is turned off after booting up. Press the smart output button to activate it, and press the smart output button again to turn it off.

3. Graphic Mode

The graphic mode is different from the normal display mode. This mode displays the voltage and current values from the last 20 seconds as a waveform on the LCD screen. The default mode after power on is the normal display mode. Press the Graph button to switch to graphic display mode, and press the button again to return to normal mode.

4. System Settings

Press the menu button to enter the menu, where you can set the auto power-off time and current alarm value.

- **Auto Power-off Time:** This setting determines how long the device will automatically power off when there is no operation. You can adjust the auto power-off time by selecting the option and using the left or right buttons.
- **Current Alarm Value:** In the normal display mode and smart output state, if the output current exceeds or equals the preset alarm value, the interface will display a red warning. You can set this value in the menu by selecting the option and using the left or right buttons.

5. Bluetooth Connection

In both the normal display mode and graphic display mode, you can use the link button to turn the Bluetooth

device on or off. When turned on, you can use the PowerProbe Link App to scan for and connect to the device.

6. Charging

The device has a built-in high-capacity lithium battery and can be charged through a USB Type-C port, supporting PD fast charging. Please use a standard charger to charge the device.

Precautions

1. This product can only be connected to the OBDII port of a car to complete the corresponding functions. Please do not connect it directly to active devices without using the OBDII port. Before connecting to the OBDII port, please make sure that the car's OBDII port is a standard OBDII port and the wiring is correct. It is recommended to verify that there are no major faults in the car's power supply system before connecting the unit. If the OBDII port is not standard, wiring errors and other reasons cause damage to the machine or car circuit, our company will not be held responsible.
2. The maximum output current of this product is 10A. The limited current of the OBDII port of some cars is lower than this value, and there may be current limiting measures such as fuses. Therefore, after connecting the Smart Output of this product, it is recommended not to make the current of the entire car system greater than the limited current of the OBDII port of the car itself, so as to avoid problems such as the car's own OBDII fuse being blown. Do not input voltages exceeding the device's range (30V) into the OBDII port. If a voltage exceeds the range, disconnect the voltage as soon as possible. If the voltage exceeds 30V, an overvoltage warning interface will be displayed.
3. The device can output a maximum of 10A current. If the current exceeds this limit, an overcurrent warning interface will be displayed. Do not output current exceeding 10A for an extended period. If an overcurrent warning appears, restore the current to normal as soon as possible.
4. The device can output a maximum of 10A current. If the current exceeds this limit, an overcurrent warning interface will be displayed. Do not output current exceeding 10A for an extended period. If an overcurrent warning appears, restore the current to normal as soon as possible.
5. The machine has temperature protection. If the temperature of the battery or the internal body of the machine is too high, the output voltage will be automatically turned off and a temperature alarm interface will be displayed. If temperature protection occurs, you need to wait until the temperature returns to normal before outputting voltage again.
6. When the machine is charging, for safety reasons, the Smart Output function will be disabled or automatically turned off, and no voltage or current can be output. To use the Smart Output function, please unplug the charging cable first.

Troubleshooting

Fault phenomenon	Solution
The Smart Output function cannot be used and it prompts that the temperature is too high.	After the temperature rise reaches the upper limit after high current operation, the temperature protection program starts and the output is prohibited. The user waits for a while and the fault disappears automatically after the temperature returns to normal.
The Smart Output function cannot be used, and it prompts that the Smart Output function is not allowed to be used during charging.	Unplug the charging cable.
Unable to turn on and off	This product requires a long press of the power button to turn it on and off. Please ensure that the long press time is more than two seconds. If long pressing does not solve the problem, the battery may be too low. Please use the charging cable to charge the battery.
Unable to charge or not fully charged	Please use standard chargers and charging cables.
APP cannot connect	Please make sure the machine's Bluetooth connection function is turned on.

Product specifications and Accessories

Product specifications

- Smart Output function output: 12V 10A
- Monitor function input: 0-30V
- Voltage display accuracy: 1%+5dig resolution 0.1 V
- Current display accuracy: 3%+5dig resolution 1mA
- Built-in lithium battery: 18650 14.4V/3000mA
- Display: 2.8-inch TFT color screen 240*320
- Wireless connection: Bluetooth 5.0
- Input and output interface: OBDII interface
- Charging interface: USB TYPE-C interface, supports PD fast
- Certification: FCC, CE, ETL-us, UKCA, EAC

Accessories

- Canvas bag

- Color box
- Manual
- 100cm USB Type A to Type C Cable

Limited Warranty

This meter is warranted to the original purchaser against defects in material and workmanship for 2 years from the date of purchase. During this warranty period, Manufacturer will, at its option, replace or repair the defective unit, subject to verification of the defect or malfunction.

This warranty does not cover fuses, disposable batteries, or damage from abuse, neglect, accident, unauthorized repair, alteration, contamination, or abnormal conditions of operation or handling.

Any implied warranties arising out of the sale of this product, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the above. The manufacturer shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim or claims for such damage, expense or economic loss. Some states or countries laws vary, so the above limitations or exclusions may not apply to you.

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Documents / Resources

	<p>PPDRAW Draw Memory Saver and Vehicle Draw Monitor [pdf] User Manual</p> <p>Draw Memory Saver and Vehicle Draw Monitor, Draw, Memory Saver and Vehicle Draw Monitor , Saver and Vehicle Draw Monitor, Vehicle Draw Monitor, Draw Monitor</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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