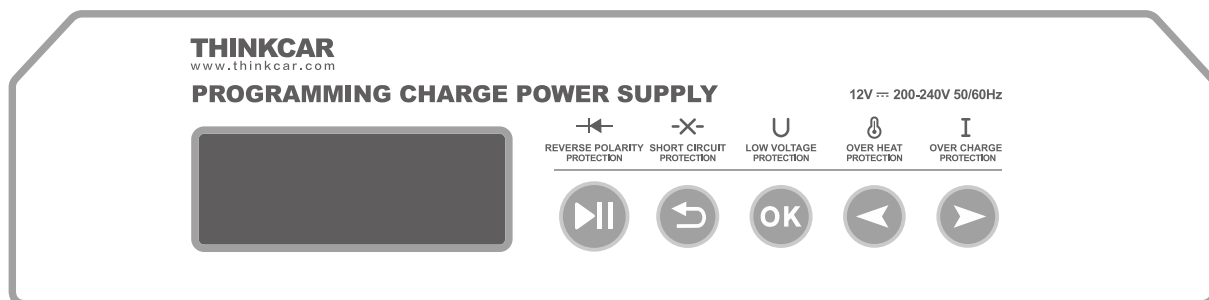


# PROGRAMMING CHARGE POWER SUPPLY



## Notice

1. **▶||** Start / Pause button: stop during charging, press stop key.
2. **↶** Return key: After you stop working, you can press the return key to return to the home page or the previous interface.
3. **OK** key: confirm the key.
4. **◀** Left and **▶** Right keys: Use the left and right keys to switch options when choosing.
5. **📺** 2.3-inch display screen.

## Introduction

The car battery can be charged, repaired and activated, and can provide stable power supply to the car when starting and programming.

## Basic function description

1. Charging mode: During the charging process, the machine will automatically adjust the charging voltage and current to conduct the appropriate charging process. According to the type of charging battery, ordinary, AGM, GEL, automatically choose the appropriate current to charge the battery, otherwise it may cause battery damage and other problems. When selecting an EFB battery, the battery must be separated from the vehicle during the charging process of the EFB battery! Ensure that the charging clip is in good contact, and the battery must be repaired away from the car, and should be watched by personnel! Display repair state power, current selection programming mode can select adjustable mode or fixed mode to display the current charging power, current. Note: Please power off the car battery before use (determine whether it is damaged).
2. Programming mode: Provide a stable voltage input when programming the car online to ensure that the car programming can be completed. Adjustable mode adjustable range 12.0V-14.8V voltage, fixed mode is 14.3V voltage.
3. Showroom mode: provide power to the car without consumption of car battery power.
4. Battery repair mode: Charge the battery with low current and activate the battery when low power and not activated.
5. Car start mode: provide a stable start voltage for the car to ensure the normal start of the car.
6. Settings: default English, optional Russian, Korean, French, German.

*Tip: AGM is a battery with a partition plate, GEL is a colloidal battery, and EFB is a lead-acid battery.*

## How to use

1. Charging mode: select charging mode, press "**OK**" in or off-car modes, press "**OK**" to select battery type (Normal, AGM, GEL, EFB), press "**▶||**" to start charging, pause charging at "**▶||**", and return to the home page after pressing "**↶**".

*Tip: If you do not know what battery type, please choose Normal.*

2. Programming mode: select programming mode, click "**OK**" to enter adjustable mode and fixed mode, select adjustable mode, press "**OK**" + "**▶**", display "**✖**", press "**◀** (down), **▶** (up)" to 12V-14.8V, press "**OK**", confirm voltage; select fixed mode

to 14.3V "▶II", stop charging at "▶II", and return to the home page.

3. Showroom mode: Select the showroom mode and press "▶II" to start the power supply, suspend the power supply by pressing "▶II" once, and press the "↩" to return to the home page.
4. Battery repair mode: select battery repair mode. Press "▶II" to start power supply, pause power at "▶II", and return to the home page.  
*Tip: The battery repair mode is small current when the battery repair mode is on.*
5. Car start mode: Select car start mode Press "▶II" to start power, pause power at "▶II" once, and return to the home page once.
6. Setting language: choose the setting language, the local factory default is English, you can press the "▶" and "◀" keys (switch up and down)" to choose French, German, Russian, Korean, and press the "OK" to switch.
7. Press "OK" + "◀" button at the same time to enter the version information interface with software version number and SN number.

| Technical Specifications |                             |           |                                         |             |
|--------------------------|-----------------------------|-----------|-----------------------------------------|-------------|
| 1                        | Input the rated voltage:    | 220V±15%  | Programming power supply voltage range: | 12V~14.8V   |
| 2                        | Incoming frequency:         | 50Hz/60Hz | Losses of open circuit:                 | 20W         |
| 3                        | Rated input power:          | 2 KVA     | Case protection grade:                  | IP21S       |
| 4                        | Charging current / voltage: | 40A~12V   | Size(mm):                               | 340*450*130 |
| 5                        | Start-up current / voltage: | 400A~12V  | Weight(KG):                             | 9.5kg       |

### Attention

1. Important note: If the temperature is too high when charging, please stop charging immediately.
2. Important note: Ensure that the battery is separated from the vehicle during the battery repair process and the charging process of the EFB battery! Otherwise, the vehicle may cause damage.
3. Important note: Ensure that the battery is separated from the vehicle during the battery repair process! Otherwise, the vehicle may cause damage.
4. Important Note: The charger can not completely replace the battery for programming alone. If the battery needs to replace, the standby battery must be connected! Please strictly charge under human care to prevent dangerous situations!
5. Important note: it must be connected to the socket with the leakage protector installed!
6. Important note: You must follow the use instructions and equipment instructions!
7. Important note: The equipment must be regularly tested and maintained by professional personnel!
8. Important note: Overcharge protection During the charging process, the equipment will constantly detect the battery state and determine whether it is full to prevent the overcharging from damaging the battery.
9. Important note: Overheating protection When the internal temperature is too high, charging will automatically stop, and the internal fan will alarm.
10. Important note: Low-voltage protection When the input voltage is lower than the requirements, the equipment does not operate to protect the machine.
11. Important note: Short circuit protection when the battery is damaged, when the internal short circuit happens, the machine will alarm.
12. Important note: Back connect protection, when the battery clip is reversed, the screen shows the battery clip and it will alarm.

### Warranty Terms

This warranty applies only to users and distributors who purchase THINKCAR INC [www.thinkcar.com](http://www.thinkcar.com) THINKPPS 150 products through normal procedures. Provide free warranty within one year. THINKCAR warrants its electronic products for damages caused by defects in materials or workmanship. Damages to the equipment or components caused by abusing, unauthorized modification, using for non-designed purposes, operation in a manner not specified in the instructions, etc. are not covered by this warranty. The compensation for dashboard damage caused by the defect of this equipment is limited to repair or replacement. THINKCAR does not bear any indirect and incidental losses. THINKCAR will judge the nature of the equipment damage according to its prescribed inspection methods. No agents, employees or business representatives of THINKCAR are authorized to make any confirmation, notice or promise related to THINKCAR products.

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