

Operation Instructions

Class 430 / 630

Booster Battery Charger & Fast Charger



Technical changes reserved!

Due to further developments, illustrations, functioning steps and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities please contact us.



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Although WiITec Wildanger Technik GmbH has made every effort to make sure that this user manual is complete, accurate and updated, errors cannot always be avoided. In the event of problems with this user manual please complete and send this form back to us.

FAX-notification (+++49 2403 55592-15),

from: _____

Name: _____

Firm: _____

Tel/Fax: _____

I would like to report the following mistakes:

Customer Service WiITec Wildanger Technik GmbH

e-mail: service@WiITec.info

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Introduction

Thank you for purchasing this quality product. **To minimize the risk of injury by means of fire or electric shock we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Always use a grounded power connection with the appropriate mains voltage. You can find the corresponding mains voltage on the type plate. If you have any doubts about the connection being grounded, have it checked by a qualified professional. Never use a faulty electric cable.

Do not inspect the electrical part of the pressure pond filter in a wet or damp environment or when you are wet yourself and protect it from direct sunlight. Install this device in a safe location so that nobody can step on the cable, fall over or damage it. Disconnect the power plug before cleaning it and use only a damp cloth for cleaning. Avoid using cleaning agents and make sure that no liquid enters the electrical part of the pump.

The electric part of the device contains no parts that can be inspected or serviced by the user. Leave the maintenance, adjustment and repair to qualified technical personnel. In case of unauthorised intervention the 2-year warranty is no longer valid! Keep these operation instructions safe.

Operating hints

- Before removing the battery terminals turn off the device.
- During the loading process explosive gases can be generated, therefore fire, sparking etc. should be avoided!
- The red battery terminal has to be connected to the positive pole and the black battery terminal to the minus pole – Do not mix them up!
- **NEVER** use the booster if the charging cables or the battery terminals are damaged! Do not shake it or push it during loading.
- **NEVER** try charging a frozen battery!
- Use only the fuses that are available in the booster on delivery – **NEVER** install greater fuses.
- Clean the battery carefully before loading and check the battery voltage.
- Please note that the connected battery is allowed to have min. 50Ah and max. 750Ah (Booster 430) or 800Ah (Booster 630).

Operating principle

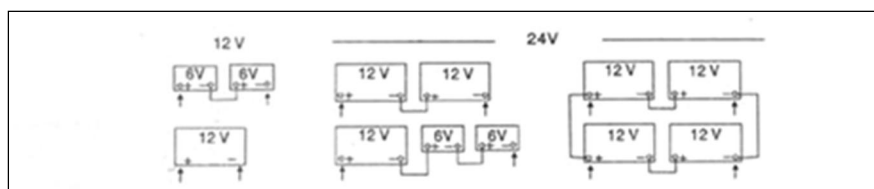
When the battery is charged, the charging current is dependant on the battery type; generally it is ca. 10% above the max. current of the battery.

Loading time

The loading time depends on the battery. An approximate formula is

$$\text{Loading time} = \text{Battery capacity} / \text{charging current}$$

During the charging process the charging current continues to drop so that the expected charging time will be longer than min. ¼. The battery charger can load one or more batteries at the same time– the charging time will be longer then.



If you want to start a vehicle with a booster, please note:

1. If it is a big engine it is better to carry out a fast charging of 15 minutes before you start it.
2. If you want to start a diesel engine, have your heater plugs preheated before you try to start the engine.

Connect the red battery terminal with the plus and the black battery terminal with minus pole. Do not mix them up!



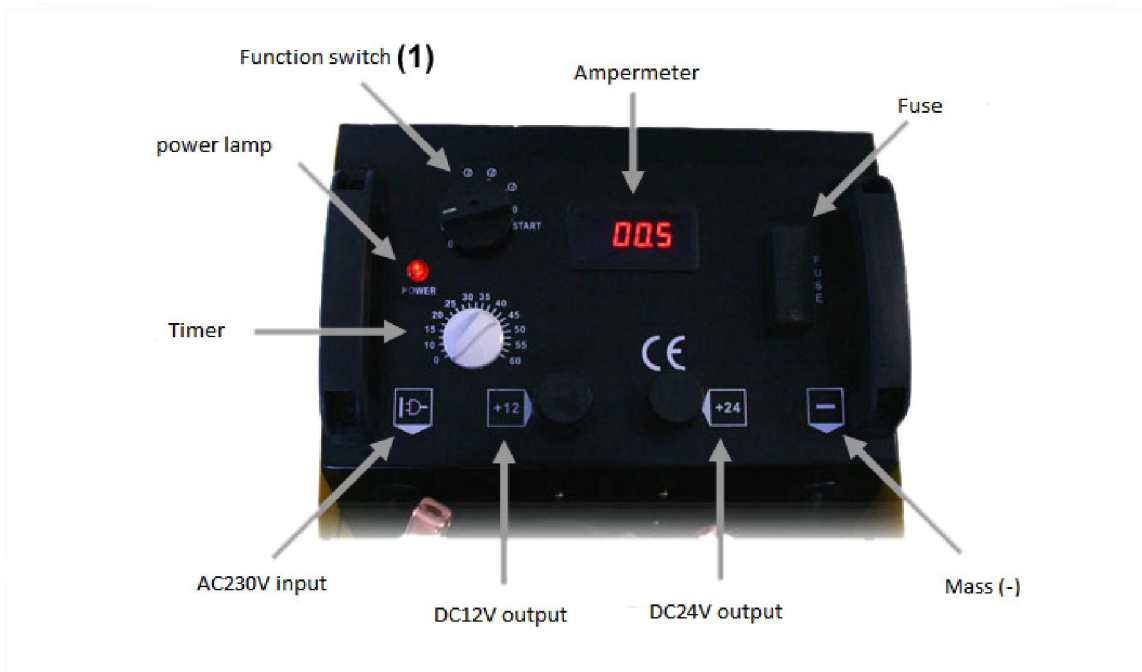
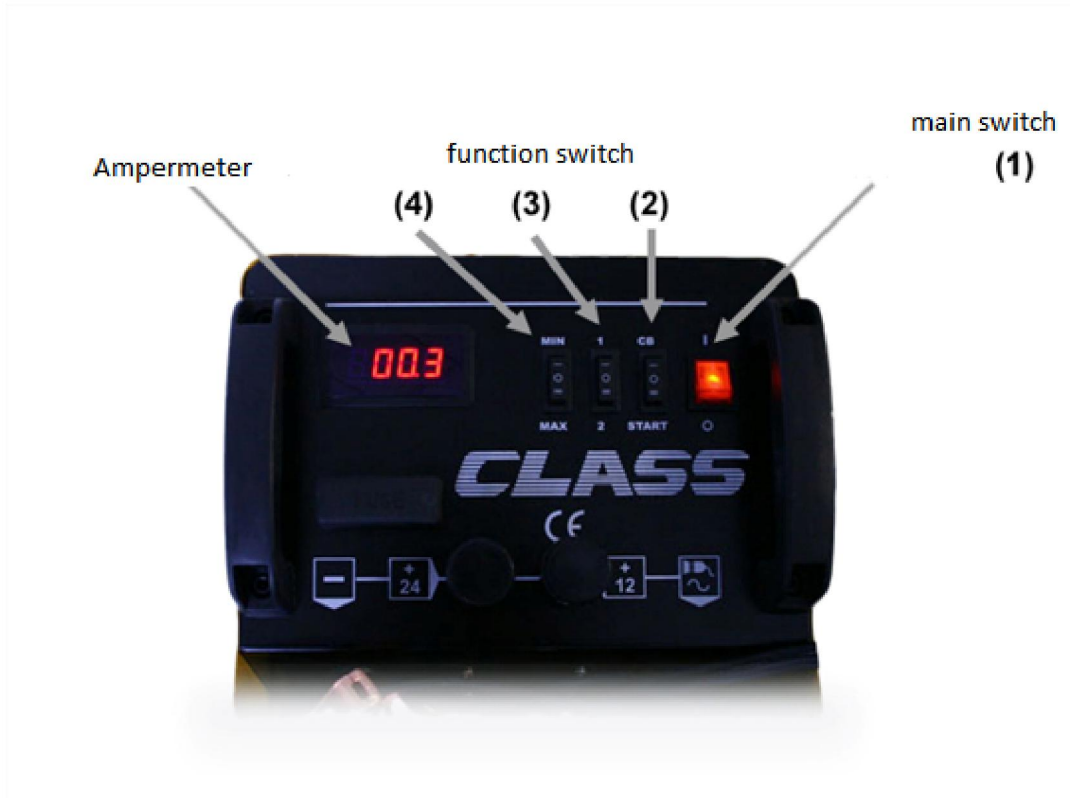
Operation of the Class Boosters -230, -330, -430

- First select the right battery voltage (12V or 24V), then connect the battery terminals with the battery poles.
- Set the switch „2“ to CB and the switch „4“ to min-max, switch „3“ and to „normal charging“ or to „2“ „fast charging“
- Turn on the booster by activating the switch „1“ to „on“ and the device starts charging!
- If you want to start a car engine set switch „2“ to „Start“, then set switch „1“ to „ON“, wait for two minutes, then try to start the engine for max. 4-5 seconds! If the engine does not start after 3-4 attempts, wait 10 minutes before repeating the operation, so that the battery continues to charge and the loading device can cool down!

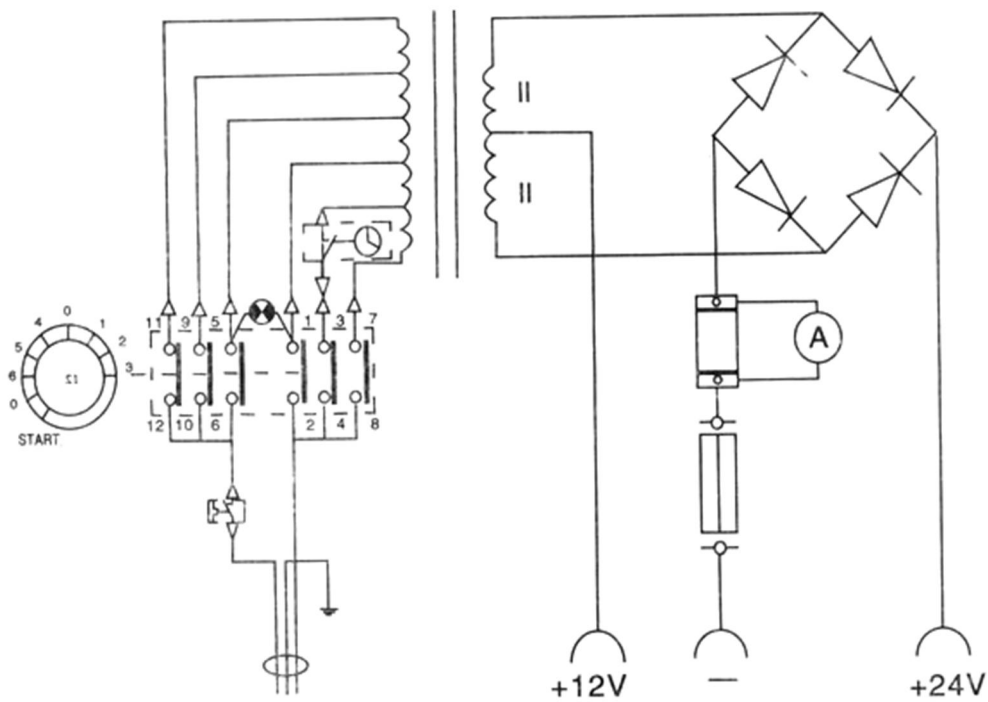
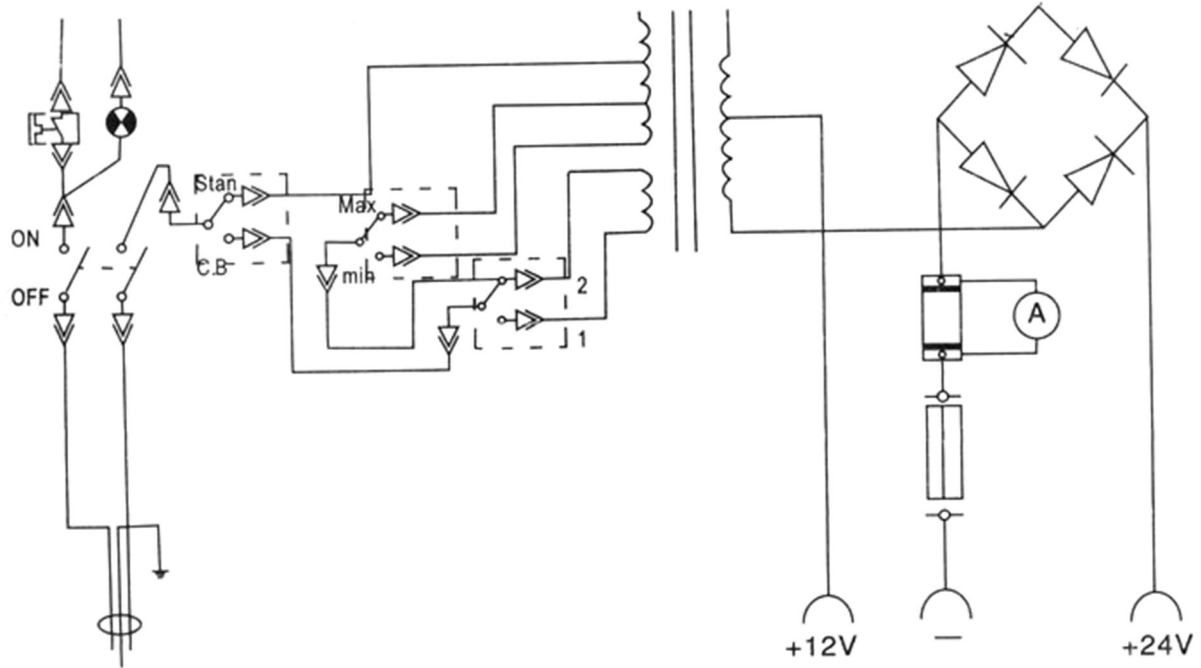
Operation of the Class Boosters -530, -630

- First select the right battery voltage (12V or 24V), then connect the battery terminals with the battery poles.
- Set the switch „1“ to „1“, 2 or 3 means slow charging, while 4,5,6 means fast charging. Fast charging takes mostly 1 hour and is normally controlled via timer.
- If you want to start a car engine set switch „1“ to „Start“, wait two minutes and then try to start the engine max. 4 up to 5 seconds long. If the engine does not start after 3-4 attempts, wait 10 minutes before repeating the operation, so that the battery continues to charge and the loading device can cool down!

Panel description



Wiring diagram



Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2002/96/EC) were implemented in the law related to electrical and electronic equipment and appliances.

All WiITec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiITec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Materials' recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities or the store where you purchased the article.

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