

GAL18V-40-2



Powered by



Safety instructions



Read all the safety and general instructions. Failure to observe the safety and general instructions may result in electric shock, fire

and/or serious injury.

Store these instructions in a safe place.

Only use the charger if you can fully evaluate all functions and carry them out without restrictions, or if you have received corresponding instructions.

- ▶ **This charger is not intended for use by children or persons with physical, sensory or mental limitations or a lack of experience or knowledge. This charger can be used by children aged 8 or older and by persons who have physical, sensory or mental limitations or a lack of experience or knowledge if a person responsible for their safety supervises them or has instructed them in the safe operation of the charger and they understand the associated dangers.** Otherwise, there is a risk of operating errors and injuries.
- ▶ **Supervise children during use, cleaning and maintenance.** This will ensure that children do not play with the charger.
- ▶ **Only charge Bosch Li-ion batteries or batteries of AMPShare partners with a capacity of 1.3 Ah or more. The battery voltage must match the battery charging voltage of the charger. Do not charge any non-rechargeable batteries.** Otherwise there is a risk of fire and explosion.



Only use the charger in enclosed spaces and do not expose it to wet conditions. Water entering a charger increases the risk of electric shock.

- ▶ **Keep the charger clean.** Dirt poses a risk of electric shock.
- ▶ **Always check the charger, including the cable and plug, before use. Stop using the charger if you discover any damage. Do not open the charger yourself, and have it repaired only by Bosch or by an authorised after-sales service centre using only original replacement parts.** Damaged chargers, cables and plugs increase the risk of electric shock.
- ▶ **Do not operate the charger on an easily ignited surface (e.g. paper, textiles, etc.) or in a flammable environment.** There is a risk of fire due to the charger heating up during operation.
- ▶ **Do not cover the ventilation slots of the charger.** Otherwise, the charger may overheat and no longer function properly.
- ▶ **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery

pack may create a risk of fire when used with another battery pack.

- ▶ **In case of damage and improper use of the battery, vapours may also be emitted.** Ensure the area is well-ventilated and seek medical attention should you experience any adverse effects. The vapours may irritate the respiratory system.
- ▶ **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
- ▶ **Products sold in GB only:**
Your product is fitted with an BS 1363/A approved electric plug with internal fuse (ASTA approved to BS 1362). If the plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place by an authorised customer service agent. The replacement plug should have the same fuse rating as the original plug. The severed plug must be disposed of to avoid a possible shock hazard and should never be inserted into a mains socket elsewhere.

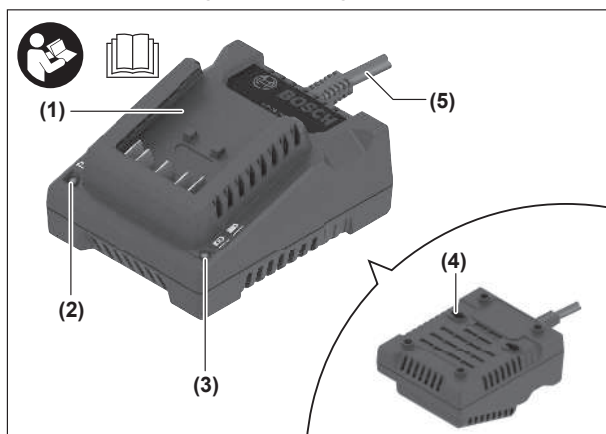
Product description and specifications

Intended use

The battery charger is intended for charging rechargeable Bosch Li-Ion batteries or those of the AMPShare partners.

Product Features

The numbering of the product features refers to the representation of the charger in the images.



- (1) Charging bay
- (2) Red temperature monitoring/error indicator
- (3) Green battery charge indicator
- (4) Wall mount
- (5) Removable mains cable

Technical Data

Battery charger	GAL18V-40-2
Protection class	□ / II
Charging current ^{A)}	4.0 A
Battery charging voltage (automatic voltage detection)	18 V 
Weight ^{B)}	0.28 kg
Permitted charging temperature range	0 to 45 °C

A) Depends on temperature and rechargeable battery type

B) Weight without mains connection cable and without mains plug

Values can vary depending on the product, scope of application and environmental conditions. To find out more, visit

www.bosch-professional.com/wac.

Charging process

- **Check the mains voltage!** The voltage of the power source must match the voltage specified on the rating plate of the charger.
- Do not pull on the mains cable **(5)** to disconnect it from the charger.

 Ensure that the charging bay **(1)** and the battery contacts are free of coarse dirt. Ensure that the battery is fully inserted.

The charging process begins as soon as the mains cable **(5)** is connected to the charger, the mains plug is inserted into the plug socket and the battery is inserted into the charging bay **(1)**.

 The charging process is only possible when the temperature of the battery is within the permitted charging temperature range (0–45 °C).

Thanks to the intelligent charging process, the state of charge of the battery is automatically detected and then charged up with the optimal charge current depending on battery temperature and voltage.

A significantly reduced operating time after charging indicates that the battery has deteriorated and must be replaced.

When the charger is used continuously, or for several consecutive charge cycles without interruption, the charger may heat up. This is, however, harmless and does not indicate that the charger has a technical defect.

What the display elements mean

Green battery charge indicator flashing light



The rapid-charging procedure is indicated by the quick flashing of the **green** battery charge indicator **(3)**.

The battery can be removed at any time and used.

Once approx. 80% of the battery capacity has been reached, the flashing of the green battery charge indicator will slow down. The rapid-charging process is now completed. If the battery remains in the charger, the charging process will be performed at a slower pace.

Continuous light green battery charge indicator



The continuous light of the **green** battery charge indicator **(3)** signals that the battery is fully charged. The battery can then be removed for immediate use.

When there is no battery connected, the continuous light of the battery charge indicator **(3)** signals that the mains plug is plugged into the plug socket and that the charger is ready to be used.

Continuous light red temperature monitoring indicator



The continuous light of the red indicator **(2)** signals that the temperature of the battery is outside of the permitted charging temperature range (0–45 °C). The charging process begins

as soon as the permitted temperature range has been reached.

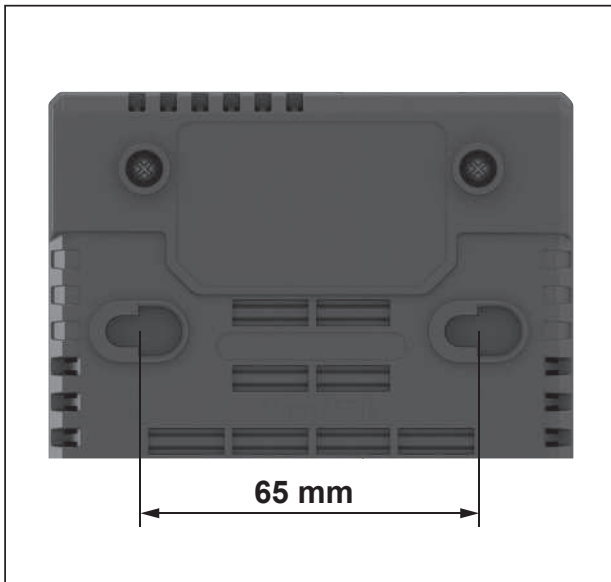
Flashing light red error indicator



The flashing light of the red indicator **(2)** signals that the charging process has been interrupted by a different fault (see "Battery is not being charged", page 4).

Wall mounting

- Pull the plug out of the socket before carrying out any work on the charger.



The charger can be used either free-standing (for use on a desktop) or mounted on the wall.
When affixing to the wall: Drill 2 holes, leaving a clearance of **65 mm**. To secure it, use round-head screws with a diameter of 5 mm to max. 6.5 mm.

Troubleshooting

Battery is not being charged



Battery is not being charged and the red temperature monitoring/error indicator (2) is flashing red.

Cause: The charger has identified an internal error.

Corrective measure: Ensure that the battery is fully inserted and the mains cable is correctly connected to the battery charger. Remove the mains plug and reinsert. If the error occurs again, have the charger checked by an authorised after-sales service centre for **Bosch** power tools.

Cause: Battery is not correctly inserted.

Corrective measure: Insert the battery into the charger correctly.

Cause: The battery contacts and charging contacts are dirty

Corrective measure: Pull out the mains plug and (dry) clean the battery contacts and charging contacts.

Cause: Battery defective

Corrective measure: Replace the battery.



Battery is not being charged and the indicator (2) is lit up red.

Cause: Battery temperature is outside of the charging range

Corrective measure: Wait until the battery temperature is back within the permitted charging temperature range (0–45 °C).

Indicators do not light up

None of the indicators are lighting up, battery will not be charged.

Cause: Plug socket, mains cable or battery charger defective

Remedy: Make sure that the charger is connected to a suitable plug socket that works. If the error occurs again, it may be necessary to have the charger checked by an authorised after-sales service centre.

Cause: Mains plug of the battery charger is not (correctly) plugged in

Corrective measure: Plug the mains plug (fully) into the plug socket.

Maintenance and Service

Maintenance and Cleaning

In order to avoid safety hazards, if the power supply cord needs to be replaced, this must be done by **Bosch** or by an after-sales service centre that is authorised to repair **Bosch** power tools.

After-Sales Service and Application Service

Great Britain

Tel. Service: **(0344) 7360109**

GB Importer:

Robert Bosch Ltd.
Broadwater Park
North Orbital Road
Uxbridge
UB9 5HJ

Malaysia

Tel.: (03) 79663194

In all correspondence and spare parts orders, please always include the 10-digit article number given on the nameplate of the product.

Disposal

Chargers, accessories and packaging should be recycled in an environmentally friendly manner.



Do not dispose of chargers along with household waste.

Only for EU countries and United Kingdom:

Electrical and electronic equipment that is no longer suitable for use must be collected separately and disposed of in an environmentally friendly manner. Use the designated collection systems. Incorrect disposal may cause harmful effects on the environment and human health, due to the potential presence of hazardous substances.

Only for United Kingdom:

According to The Waste Electrical and Electronic Equipment Regulations 2013 (SI 2013/3113) (as amended), products that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

Legal Information and Licenses

1. Open Source Components

1.1 Name: GD32E23x Firmware Library

Version : 1.2.0

License : BSD-3-Clause

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1.2 Name: ARM_CMSIS_5

Version: 5.7.0

License : Apache-2.0

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