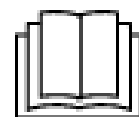


Professional

GAL 18V6-80



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.

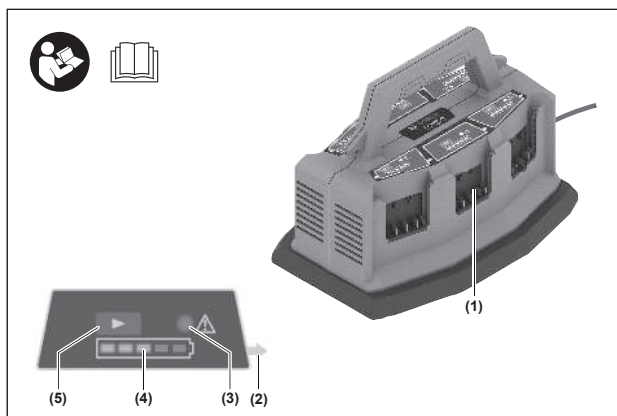
- ▶ **In case of damage and improper use of the battery, vapours may also be emitted.** Ensure the area is well-ventilated and seek medical attention should you experience any adverse effects. The vapours may irritate the respiratory system.
- ▶ **Under abusive conditions, liquid may be ejected from 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.

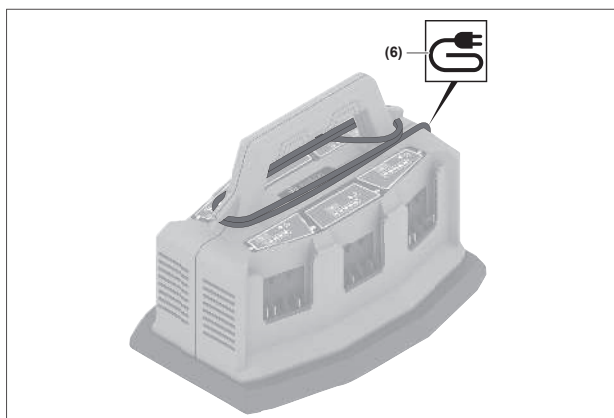
Product description and specifications

Intended use

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

Product Features





- (1) Charging bay
- (2) Arrow for charging sequence
- (3) Red temperature monitoring/error indicator
- (4) Green battery charge indicator
- (5) Priority button
- (6) Cord wrap

Technical Data

Battery Charger	GAL 18V6-80
Protection class	□ / II
Charging current ^{A)}	8.0 A
Battery charging voltage (automatic voltage detection)	18 V
Weight ^{B)}	1.8 kg

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.

- ⓘ Ensure that all charging bays (1) and charging contacts are free of coarse dirt. Ensure that all rechargeable batteries are fully inserted.

The charging process begins as soon as both the mains plug and a rechargeable battery have been inserted. If the charging process is started with multiple rechargeable batteries simultaneously, they will be charged one after the other in the direction of the imprinted arrows (2) (anticlockwise).

The rechargeable batteries are charged one after the other in two charging cycles.

- In the first charging cycle, all inserted batteries are charged up to approx. 80 % of their capacity.
- In the second charging cycle, the rechargeable battery is charged from approx. 80 % to full capacity. The second

charging cycle begins when all inserted batteries have been charged to approx. 80 %.

If the rechargeable battery has a state of charge of over approx. 80 %, it is skipped during the first charging cycle and charged in the second charging cycle until it is charged to full capacity. If a new rechargeable battery with a state of charge below approx. 80 % is inserted during the second charging cycle, it is charged immediately. Once this rechargeable battery has been charged to approx. 80 %, the charging sequence is redefined. The next rechargeable battery that is charged in the second charging cycle follows the sequence of arrows (2) on the charger (anticlockwise).

- ⓘ 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.

Priority button (priority start)



Each charging bay (1) has a priority button (5) that will immediately start the charging process in this charging bay.

- If the priority button (5) is **pressed once**, the battery in this charging bay will be prioritised, meaning that it will be charged up to approx. 80 % of its capacity (first charging cycle). At the beginning of this charging process, the first four LEDs of the battery charge indicator (4) will light up briefly. Once the rechargeable battery has been charged to approx. 80 %, the next battery in the direction of the arrows (2) (anticlockwise) will then be charged.
- If the priority button (5) is **pressed twice**, the rechargeable battery in this charging bay will be prioritised, meaning that it will be charged to full capacity. At the beginning of this charging process, the first five LEDs of the battery charge indicator (4) will light up briefly. Upon completion of this charging process, the other batteries will continue to be charged in sequence to approx. 80 % of their capacity.

If a priority battery has already been fully charged, the next charging bay with a battery will be charged. The charging sequence follows the direction of the imprinted arrows (2) on the charger (anticlockwise).

What the display elements mean

Green battery charge indicator

When inserting the rechargeable battery, the corresponding green battery charge indicator (4) will indicate the state of charge of the rechargeable battery. The charging process is indicated by the flashing of the battery charge indicator (4). The continuous light indicates the state of charge that the rechargeable battery already has.



0–20 %



21–40 %



41–60 %



61–80 %



81–99 %



Fully charged

Continuous light red temperature monitoring indicator



The continuous light of the red indicator (3) 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 (3) signals that the rechargeable battery in this charging bay is defective.

If six red lights flash simultaneously, this indicates that the charger is faulty.

Troubleshooting

Battery is not being charged

No battery is being charged and all six indicators (3) simultaneously flash red.

Cause: The charger has identified an internal error.

Corrective measure: Ensure that all batteries are fully inserted. 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.



Battery is not being charged and the indicator (3) is flashing red (at the individual charging bay).

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 (3) 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

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.

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1. Open Source Components

1.1 Name : MSP SDK

Version : 2.01.00.03

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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