Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.

PRODUCED IN CHINA FOR:
ALDI STORES LTD. PO BOX 26, Atherstone
Warwickshire, CV9 2SH.

ALDI STORES (IRELAND) LTD.
PO BOX 726, Naas, Co. Kildare.

VISIT US AT WWW.ALDI.COM

OVERSALES SUPPORT
www.medion.co.uk
0333 32 13 106 1 800 99 25 08

MODEL:
MD 18559

97043
10/2018

3 YEAR WARRANTY

Contents

Overview ......................................................................................... 3
Use.................................................................................................... 3
Appliance parts ............................................................................... 4
Information about these operating instructions .......................... 7
Proper use ....................................................................................... 9
Safety information ........................................................................ 10
Package contents........................................................................ 16
Mounting on the wall.................................................................... 16
Operation....................................................................................... 17
Description of the charging cycle ..................................................21
Protection against wrong polarity ............................................... 23
Overheating cut-out ..................................................................... 23
Disconnecting the battery ............................................................ 24
Switching off ................................................................................. 24
Cleaning and care ......................................................................... 25
Storing/transporting .................................................................... 25
Disposal .......................................................................................... 26
Technical specifications .............................................................. 27
Declaration of Conformity ............................................................. 28
Service information ...................................................................... 28
Legal Notice ................................................................................... 29
Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.

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10 YEAR WARRANTY

AFTER SALES SUPPORT

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Appliance parts

1. **MODE** button
2. Display
3. Fixing holes
4. Mains cord with mains plug
5. Positive terminal clamp (red), with connection cord
6. Negative terminal clamp (black), with connection cord
7. 12 V / 0.8 A charging mode active – standard charging
8. 12 V / 3.8 A charging mode active – fast charging
9. 12 V / 3.8 A COLD charging mode active – fast charging at low ambient temperature
10. 6 V / 0.8 A charging mode active – standard charging
11. Charge display (see page 18 ff.)
12. Fault display (no battery connected, short circuit)
13. Battery defective
14. Fault display (incorrectly connected terminals)
15. Charging current display/ current battery voltage display
Appliance parts

1. **MODE** button
2. Display
3. Fixing holes
4. Mains cord with mains plug
5. Positive terminal clamp (red), with connection cord
6. Negative terminal clamp (black), with connection cord
7. **12 V / 0.8 A** charging mode active – standard charging
8. **12 V / 3.8 A** charging mode active – fast charging
9. **12 V / 3.8 A COLD** charging mode active – fast charging at low ambient temperature
10. **6 V / 0.8 A** charging mode active – standard charging
11. Charge display (see page 18 ff.)
12. Fault display (no battery connected, short circuit)
13. Battery defective
14. Fault display (incorrectly connected terminals)
15. Charging current display/
current battery voltage display
Contents

Overview ......................................................................................................... 3
Use ................................................................................................................... 3
Appliance parts ............................................................................................... 4
Information about these operating instructions ........................................... 7
   Key to symbols ............................................................................................ 7
Proper use ....................................................................................................... 9
Safety information .........................................................................................10
   Setting up the appliance ............................................................................ 13
   Charging process ....................................................................................... 13
   Handling rechargeable batteries ............................................................... 14
Package contents ...........................................................................................16
Mounting on the wall .....................................................................................16
Operation ........................................................................................................ 17
   Connecting the charger to the battery ....................................................... 17
   Select charging mode ............................................................................... 18
   Status displays .......................................................................................... 18
   6 V / 0.8 A charging mode (6 V batteries up to max. 14 Ah) ................. 19
   12 V / 0.8 A charging mode (12 V batteries up to max. 120 Ah) .......... 19
   12 V / 3.8 A charging mode (fast charging for 12 V batteries from 1.2 Ah
to 120 Ah) .....................................................................................................20
   12 V / 3.8 A Cold (fast charging for 12 V batteries from 1.2 Ah to 120 Ah at
low ambient temperature) ............................................................................20
   Regenerating/recharging fully discharged 12 V batteries (regeneration
mode) ..............................................................................................................21
Description of the charging cycle ............................................................... 21
Protection against wrong polarity ............................................................... 23
Overheating cut-out ...................................................................................... 23
Disconnecting the battery .......................................................................... 24
Switching off ............................................................................................... 24
Cleaning and care ....................................................................................... 25
Storing/transporting .................................................................................... 25
Contents

Disposal .................................................................................................................. 26
Technical specifications ........................................................................................ 27
Declaration of Conformity .................................................................................... 28
Service information ............................................................................................... 28
Legal Notice ........................................................................................................... 29
Information about these operating instructions

Thank you for choosing our product. We hope you enjoy using it. 

Read the safety instructions carefully before using the appliance for the first time. Note the warnings on the appliance and in the operating instructions.

Always keep the operating instructions close to hand. If you sell the appliance or give it away, please ensure that you also pass on these operating instructions. They are an essential component of the product.

Key to symbols

If a block of text is marked with one of the warning symbols listed below, the hazard described in that text must be avoided to prevent the potential consequences described there from occurring.

DANGER!

This keyword denotes a high-risk hazard situation which results in death or serious injury if it is not avoided.

WARNING!

This keyword denotes a medium-risk hazard situation which can result in death or a serious injury if it is not avoided.

CAUTION!

This keyword denotes a low-risk hazard situation which can result in moderate or minor injuries if it is not avoided.

PLEASE NOTE!

This keyword serves as a warning for possible damage to property.

Warning: risk of electric shock!
Information about these operating instructions

_warning: risk of explosive materials!

Warning: risk of chemical burns!

Comply with the notes in the operating instructions.

This symbol provides useful additional information for assembling or operating the appliance.

**Protection class II**

Electrical appliances in protection class II are appliances that have double and/or reinforced insulation throughout, and do not have the option of connecting a protective earth. The housing of an electrical appliance in protection class II, with surrounding insulating material, may either form all of the additional or increased insulation, or part of it.

**Indoor use**

Appliances with this symbol are intended solely for indoor use.

**Battery symbol**

The information behind this symbol defines the maximum and the minimum nominal charge of the battery to be charged.

**Fuse**

Appliances bearing this symbol have a fuse that burns out when the specified rated current (2 A) is exceeded, thus breaking the electrical circuit.

**Symbol for direct current (DC)**

Positive polarity

Negative polarity
Proper use

This appliance offers protection class IP65 in compliance with DIN EN 60529. This means:
- The appliance is dust-proof and completely protected against contact.
- The appliance is protected against water jets from any angle.

Declaration of conformity (see "Declaration of conformity" section):
Products that feature this symbol meet the requirements of the EC directives.

Proper use

This appliance is a primary-side switched charging appliance with pulse trickle charging. It is suitable for charging and trickle-charging the following rechargeable 6 V or 12 V lead batteries containing an electrolyte solution or gel as well as AGM batteries, which are used in motor vehicles:
- 6 V: Capacity from 1.2 Ah to 14 Ah;
- 12 V: Capacity from 1.2 Ah to 120 Ah;

It can also regenerate fully discharged 12 V batteries (regeneration mode).

The appliance is not suitable for recharging lithium batteries for vehicles, motor bikes or boats.

Use the charger only to charge the battery types specified in these instructions. No other batteries may be charged with the charger. When using other types of batteries, there is a risk of injury, and the charger could be damaged.

The charger charges batteries automatically in several stages and can thus recharge them up to approximately 100% of their capacity.

You can also connect a battery that has not been used for a long time to the charger in order to keep it charged.

The appliance is only intended for private use and not for industrial/commercial use.
Safety information

Note that no liability will be accepted if the appliance is not used for its intended purpose:
- Do not modify the appliance without our express agreement and do not use any accessories that have not been supplied or approved by us.
- Do not use any replacement parts or accessories that we have not supplied or approved.
- Comply with all the information in these operating instructions, especially the safety information. Any other use is considered improper and can cause personal injury or property damage.

Safety information

Read the safety instructions carefully before using the appliance for the first time. Note the warnings on the appliance and in the operating instructions. Always keep the operating instructions close to hand. If you sell the appliance or give it away, please ensure that you also pass on these instructions.
- This appliance can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children must not be allowed to play with the appliance.
- Cleaning and user maintenance must not be carried out by children.
- Keep the appliance and its accessories out of the reach of children.
- Children should be kept away from the appliance and the mains cord.
- Never leave the charger unattended when the appliance is in use.
Safety information

**DANGER!**

**Risk of injury!**
- Risk of choking and suffocation through swallowing or inhaling small parts or plastic wrap.
- Do not store any of the packaging material used (bags, polystyrene, etc.) within the reach of children.
- Do not let children play with the packaging material.

**WARNING!**

**Risk of electric shock/short circuit!**

There is a risk of electric shock/short circuit due to live parts.
- Only connect the appliance to a properly installed, earthed and easily accessible socket that is close to the place where you have set up the appliance. The local mains voltage must correspond to the technical specifications for the appliance.
- The power socket must be easily accessible so you can unplug the appliance from the mains quickly if necessary.
- Switch off the power point and pull out the plug after each use, before cleaning and during periods when the appliance is left unattended.
- Always hold the plug to pull it out, never pull on the mains cord.
- Do not allow the mains cord to come into contact with hot objects or surfaces (e.g. cooker hob).
- Do not use if the appliance or the mains cord is visibly damaged or if the appliance has been dropped.
- Appliances connected to the mains during a thunderstorm may be damaged by power surges. For this reason, always unplug the plug if there is a thunderstorm.
Safety information

- Check the appliance and the mains cord for damage before using the appliance for the first time, and after each use.
- Completely unwind the mains cord.
- Do not kink or crush the mains cord.
- Contact the Service Centre without delay if the appliance has been damaged during transport.
- Do not, under any circumstances, make any unauthorised modifications to the appliance or try to open a component and/or repair it yourself.
- The mains cord should only be repaired by an authorised repair workshop. Otherwise, contact our Service department, to avoid risks.
- Always unplug the appliance plug from the power socket before cleaning or servicing.
- For a built-in battery in a vehicle, ensure that the vehicle is not running and is located in a protected interior (e.g. garage, carport, dry dock). Switch the ignition off and park the vehicle, e.g. with the handbrake applied (car).

The appliance must not be immersed in water or other liquids, or held under running water, because this could cause an electric shock.

- Unplug the appliance from the socket if:
  - You are cleaning the appliance.
  - The appliance is damp or wet.
  - The appliance is unattended.
  - You are no longer using the appliance.
- Do not let the appliance come into contact with water or other liquids. Keep the appliance, the mains cord and the mains plug away from wash basins, sinks or similar.
- Do not place any objects filled with liquid (e.g. vases or drinks) on or near the appliance.
- Never touch the appliance or the mains cord with wet hands.
Safety information

- Only operate the appliance indoors. Never operate the appliance outdoors.

**Setting up the appliance**

- The appliance should only be placed on stable, level and well-ventilated surfaces.
- Never place the appliance on the edge of a table – it could tip over and fall.
- Ensure that the power cord does not become a tripping hazard and do not use an extension cord.
- Use the appliance only at an ambient temperature of 0 °C–40 °C.
- The appliance must not be exposed to prolonged direct sunlight.
- Do not expose the charger to long-lasting temperature effects above 40 °C. The charger's output power falls automatically at higher temperatures.
- Do not cover the charger, otherwise it may overheat and become damaged.

**Charging process**

**WARNING!**

Risk of explosion!

Improper handling of the charger can result in sparks and trigger an explosion.

Gaseous hydrogen may flow out of the battery during charging and trickle charging. Contact with an open flame can trigger a highly explosive gas detonation.

- Ensure that ventilation is adequate.
- Carry out the charge and trickle charge process in a well-ventilated space sheltered from the weather.
Safety information

- In addition, ensure that there is no open flame (fire, embers or sparks) when charging or trickle charging.
- Do not smoke in the immediate vicinity of the charger.
- Do not store any explosive or combustible materials, e.g. petrol or solvents in the vicinity, as they could ignite while the charger is in use.
- When using cords and electrical appliances, make sure that there are no sparks or electrostatic discharge.
- Avoid the creation of sparks when connecting and disconnecting the charger:
  - Avoid an electrical short circuit when connecting the charger to the battery. Always connect the negative terminal connection cord (black) to the battery’s negative terminal. Always connect the positive terminal connection cord (red) to the battery’s positive terminal.
  - Connect the mains cord at a distance from the battery and fuel pipe.
  - After charging, disconnect the appliance first from the mains power. Only after that, remove the terminal clamps from the battery.

Handling rechargeable batteries

**WARNING!**

**Risk of chemical burns!**
Battery acid can cause strong chemical burns.

- Use acid-resistant protective gloves, clothes and eye protection.
- Do not turn batteries over as acid can leak from the gas release openings.
Safety information

- If a cell has developed a leak, the liquid must not touch the skin or eyes. If you do come into contact with the liquid, rinse the affected area with plenty of water. Consult a doctor immediately.
- Remove the leaking battery liquid with a dry, absorbent cloth and avoid contact with skin, for example, by using acid-proof protective gloves.

General information

- Do not use the charging and trickle charging process on batteries that cannot be recharged.
- Do not use frozen rechargeable batteries.
- Do not use damaged or corroded rechargeable batteries.
- Never dismantle, open or cut up rechargeable cells or batteries.
- Never expose cells or batteries to strong heat or fire. Avoid storage in direct sunlight.
- Never short-circuit cells or batteries.
- At all times observe the plus (+) and minus (-) signs on the cells, batteries and appliances. Ensure proper use.
- Store cells and batteries out of the reach of children.
- Use the charger only for 6 V or 12 V rechargeable lead batteries containing an electrolyte solution or gel, or AGM batteries.
- Never charge lithium batteries.
- Store the technical documentation on battery charging together with this manual for future reference.
DANGER!

Risk of choking and suffocation!
Risk of choking and suffocation through swallowing or inhaling small parts or plastic wrap.
- Keep the plastic wrap out of the reach of children.
- Do not let children play with the packaging material.
- Check your purchase to ensure that all items are included. If anything is missing, please contact us within 14 days of purchase.

The following items are supplied with your product:
- Car battery charger
- Operating instructions and warranty documents

Mounting on the wall
The appliance has fixing holes so that you can attach it to the wall.

WARNING!

Risk of electric shock!
There is a risk of electric shock from live parts of the appliance.
- Before assembly and maintenance work and before cleaning the appliance, always unplug the mains plug from the mains power supply.

There is a risk of electric shock from live electric lines.
- Do not drill holes into areas which may contain embedded power, gas or water lines. Use a suitable search tool to locate these lines.
Operation

- Select a suitable location on the wall. There must be adequate ventilation.
- Select four rawl plugs and screws that are suitable for the wall and size of the fixing holes.
- Mark the drill holes on the wall.
- Drill the four holes and insert the rawl plugs.
- Screw the appliance tightly.

Operation

- Remove the product from the packaging and remove all the packaging material and the protective film on the display.

Connecting the charger to the battery

The charger will automatically recognise the battery type connected (6 V or 12 V battery).

**WARNING!**

**Risk of electric shock!**

There is a risk of electric shock from live parts of the appliance.

- Always unplug the mains plug from the mains socket before attaching the connection clamps to the terminals on the battery or removing them.

Before disconnecting a car or motor bike battery, first consult the vehicle's instruction manual on the potential consequences of disconnecting the battery.

- If the battery that you wish to charge is connected in the vehicle, first disconnect the vehicle's negative terminal connection cord (black) from the battery's negative terminal before the charging or trickle charging process (see Fig. C). The battery's negative terminal is usually connected to the vehicle's bodywork.
- Then disconnect the vehicle's positive terminal connection cord (red) from the battery's positive terminal.
- Then attach the charger's positive terminal clamp (red) to the battery's positive terminal and then the negative terminal clamp (black) to the battery's negative terminal, at a distance from the battery and the fuel pipe.
- Connect the battery charger's mains cord to a mains socket.
Operation

Select charging mode

Select a charging mode depending on the battery type and ambient temperature. You can also recharge a completely discharged battery (Page 21).

The charger’s electronics start the charging process after connecting the battery in the 6 V or 12 V standard charging mode—depending on the battery type.

- To select a charging mode, press the MODE button several times. The symbol of the respective mode will be shown on the display.
- The charger recognises the standard 6 V or 12 V charging mode suitable for the battery type. Therefore, not every mode can be selected for every battery.
- After selecting a mode, the charger implements it. Now the display indicates the current voltage. If a battery remains attached to the charger once charging is complete, the charger automatically switches to trickle charging. The battery is also trickle charged if another mode is selected.

Status displays

- While the appliance is switched on, the background lighting is blue.
- During charging, the selected charging mode, the current battery voltage and the charge level of the battery are displayed.
- During faulty appliance use (e.g. by short circuit), fault symbols are displayed, and the appliance will switch to standby mode if applicable (see also “Protection against wrong polarity” on page 23.).

<table>
<thead>
<tr>
<th>LED</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 V</td>
<td><strong>6 V / 0.8 A</strong> standard charging mode: Charging a 6 V battery. Recommended battery capacity 1.2–14 Ah, 0.8 A and 3.8 A charge current</td>
</tr>
<tr>
<td>🚴‍♂️</td>
<td><strong>12 V / 0.8 A</strong> standard charging mode: Charging a 12 V motorcycle battery or 12 V car battery. Recommended battery capacity 1.2–120 Ah, 0.8 A charge current</td>
</tr>
<tr>
<td>🚗</td>
<td><strong>12 V / 3.8 A</strong> fast charging mode: Fast charging 12 V car battery. Recommended battery capacity 1.2–120 Ah, 3.8 A charge current</td>
</tr>
<tr>
<td>🌬️</td>
<td><strong>12 V / 3.8 A COLD</strong> fast charging mode: Fast charging at low ambient temperature only for 12 V batteries. Recommended battery capacity 1.2–120 Ah, 3.8 A charge current</td>
</tr>
<tr>
<td>📦</td>
<td>Charge level: Frame flashing, 1 to 5 bars are displayed: Charging process active</td>
</tr>
</tbody>
</table>
Operation

<table>
<thead>
<tr>
<th>LED</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Battery Icon]</td>
<td>Charge level: 5 bars are displayed, frame is displayed continuously: The battery is fully charged. Trickle charging for a fully charged battery.</td>
</tr>
<tr>
<td>![Fault Icon]</td>
<td>Fault: Defective battery</td>
</tr>
<tr>
<td>![Fault Icon]</td>
<td>Fault: reversed terminal clamps</td>
</tr>
<tr>
<td>![Fault Icon]</td>
<td>Fault: no battery connected, short circuit</td>
</tr>
</tbody>
</table>

### 6 V / 0.8 A charging mode (6 V batteries up to max. 14 Ah)

You can identify the battery type from the type plate on your battery.

The charger will normally recognise the 6 V standard charging mode suitable for the battery type. If the battery is not recognised, proceed as follows:

- Set this mode to charge 6 V lead acid batteries with a capacity under 14 Ah.
- Press the **MODE 1** button several times to select mode **6 V / 0.8**.

The **6V 10** symbol is shown on the display **2**.

If you do not then set another mode, the electronics automatically start the charging process with a charging current of around 0.8 A.

Once the battery is fully charged, the frame around the battery icon **11** stops flashing and the entire battery icon lights up continuously. Trickle charging takes place in this state.

### 12 V / 0.8 A charging mode (12 V batteries up to max. 120 Ah)

You can identify the battery type from the type plate on your battery.

The charger will normally recognise the 12 V standard charging mode suitable for the battery type. If the battery is not recognised, proceed as follows:

- Set this mode to charge batteries with a capacity under 120 Ah.
- Press the **MODE 1** button several times to select the 12 V / 0.8 A mode.
Operation

The icon symbol is shown on the display. If you do not set another mode, the electronics automatically start the charging process with a charging current of around 0.8 A.

Once the battery is fully charged, the frame around the battery icon stops flashing and the entire battery icon lights up continuously. Trickle charging takes place in this state.

12 V / 3.8 A charging mode (fast charging for 12 V batteries from 1.2 Ah to 120 Ah)

You can identify the battery type from the type plate on your battery.

Proceed as follows:
- Set this mode to charge batteries with a capacity of 1.2 Ah and over and normal ambient temperatures.
- Press the MODE button several times to select the 12 V / 3.8 A mode.

The icon symbol is shown on the display. If you do not set another mode, the electronics automatically start the charging process with a charging current of around 3.8 A.

Once the battery is fully charged, the frame around the battery icon stops flashing and the entire battery icon lights up continuously. Trickle charging takes place in this state.

12 V / 3.8 A Cold (fast charging for 12 V batteries from 1.2 Ah to 120 Ah at low ambient temperature)

You can identify the battery type from the type plate on your battery.

Proceed as follows:
- Set this mode to charge batteries with a capacity of 1.2 Ah and over and low ambient temperatures. Set this mode also to charge AGM batteries (absorbent glass mat: batteries in which the electrolyte is held in glass fibre mats) with a capacity of 1.2 Ah and over.
Description of the charging cycle

- Press the **MODE** button several times to select the **12 V / 3.8 A COLD** mode.

The 🌧️ symbol is displayed.

If you do not then set another mode, the electronics automatically start the charging process with a charging current of around 3.8 A.

Once the battery is fully charged, the frame around the battery icon stops flashing and the entire battery icon lights up continuously. Trickle charging takes place in this state.

**Regenerating/recharging fully discharged 12 V batteries (regeneration mode)**

- Connect the fully discharged battery to the charger and start the charging process.

In this regeneration mode, the battery is charged until the charger measures a terminal voltage that is high enough for a regular charging mode. The appliance then switches automatically to an appropriate charging mode and continues charging.

**Description of the charging cycle**

<table>
<thead>
<tr>
<th>Charging mode</th>
<th>Charging step</th>
<th>Battery voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6 V / 0.8 A</strong></td>
<td>Fully charged</td>
<td>At a battery voltage from 3.7 to 7.6 V, the charging process takes place with a charging current of 0.8 A</td>
</tr>
<tr>
<td></td>
<td>Changeover to trickle charging</td>
<td>At a battery voltage ≥ 6.4 V, the battery is kept at the fully charged level with a trickle charging current of 50–150 mA (0.05–0.15 A).</td>
</tr>
<tr>
<td></td>
<td>Continuation of the charging process</td>
<td>At a battery voltage of &lt; 6.4 V, the charging process continues with a charging current of 0.8 A.</td>
</tr>
<tr>
<td><strong>12 V / 0.8 A</strong></td>
<td>Fully charged</td>
<td>At a battery voltage from 7.5 to 15.1 V, the charging process takes place with a charging current of 0.8 A</td>
</tr>
<tr>
<td></td>
<td>Changeover to trickle charging</td>
<td>At a battery voltage ≥ 12.8 V, the battery is kept at the fully charged level with a trickle charging current of 50–150 mA (0.05–0.15 A).</td>
</tr>
</tbody>
</table>
### Description of the Charging Cycle

<table>
<thead>
<tr>
<th>Charging mode</th>
<th>Charging step</th>
<th>Battery voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Continuation of the charging process</strong></td>
<td>At a battery voltage of &lt; 12.8 V, the charging process continues with a charging current of 0.8 A.</td>
<td></td>
</tr>
<tr>
<td><strong>12 V / 3.8 A</strong></td>
<td>Impulse charging (reactivation of the battery)</td>
<td>At a battery voltage from 7.5 to 10.5 V, the charging process takes place with a charging current of 0.8 A.</td>
</tr>
<tr>
<td></td>
<td>Continuous charging</td>
<td>At a battery voltage of 10.5 V to 14.1 V, the charging process continues with a charging current of 3.8 A.</td>
</tr>
<tr>
<td></td>
<td>Continuous charging</td>
<td>At a battery voltage of 14.1 V to 14.8 V, the charging process continues with a charging current of 3.0 A.</td>
</tr>
<tr>
<td></td>
<td>Changeover to trickle charging</td>
<td>At a battery voltage of ≥ 12.8 V, the battery is kept at the fully charged level with a trickle charging current of 50–150 mA (0.05–0.15 A).</td>
</tr>
<tr>
<td></td>
<td>Continuous charging</td>
<td>At a battery voltage of &lt; 12.8 V, the charging process continues with a charging current of 0.8 A.</td>
</tr>
<tr>
<td><strong>Reactivation for 12 V batteries</strong></td>
<td>Impulse charging for reactivation</td>
<td>During the 90-second measurement at a battery voltage of 7.5 V to 10.5 V, the charging process takes place with an impulse charging current of 0.8 A.</td>
</tr>
<tr>
<td></td>
<td>Continuous charging</td>
<td>At a battery voltage of ≥ 10.5 V, the charging process continues with a charging current of 3.8 A.</td>
</tr>
<tr>
<td><strong>12 V / 3.8 A COLD</strong></td>
<td>Impulse charging (reactivation of the battery)</td>
<td>At a battery voltage from 7.5 to 10.5 V, the charging process takes place with a charging current of 0.8 A.</td>
</tr>
<tr>
<td></td>
<td>Continuous charging</td>
<td>At a battery voltage of 10.5 V to 14.1 V, the charging process continues with a charging current of 3.8 A.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>At a battery voltage of 14.1 V to 14.8 V, the charging process continues with a charging current of 3.0 A.</td>
</tr>
</tbody>
</table>
Protection against wrong polarity

<table>
<thead>
<tr>
<th>Charging mode</th>
<th>Charging step</th>
<th>Battery voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 V / 3.8 A COLD</td>
<td>Continuous charging</td>
<td>At a battery voltage of 14.8 V to 15.5 V, the charging process continues with a charging current of 0.8 A.</td>
</tr>
<tr>
<td></td>
<td>Changeover to trickle charging</td>
<td>At a battery voltage of ≥ 12.8 V, the battery is kept at the fully charged level with a trickle charging current of 50–150 mA (0.05–0.15 A).</td>
</tr>
<tr>
<td></td>
<td>Continuation of the charging process</td>
<td>At a battery voltage of &lt; 12.8 V, the charging process continues with a charging current of 0.8 A.</td>
</tr>
</tbody>
</table>

**Protection against wrong polarity**

The appliance is protected against improper start-up. In case of a faulty connection or if the battery voltage falls below 7.5 V for 12 V batteries and below 3.7 V for 6 V batteries, the appliance remains in standby mode.

- In the event that the terminals have the wrong polarity (are connected incorrectly), \(14\) is displayed.
- If the terminal clamps are incorrectly connected and the electric circuit is not closed, the display shows \(2, 12\).
- If the battery itself is faulty, \(13\) lights up on the display.

You cannot operate the appliance.

**Overheating cut-out**

If the appliance temperature exceeds 115 °C, the overheating cut-out is triggered, and the charging process is interrupted until the appliance has cooled off. The display continues to show the charge level.
Disconnecting the battery

Disconnecting the battery

**WARNING!**

**Risk of explosion!**

Improper handling of the charger can result in sparks and trigger an explosion.

Gaseous hydrogen may flow out of the battery during charging and trickle charging. Contact with an open flame can trigger a highly explosive gas detonation.

- Disconnect the appliance from the mains before disconnecting the terminal clamps on the battery.
- Observe the correct sequence when disconnecting the battery terminal clamps.

When disconnecting the battery from the charger, proceed in the following order:

- After charging, disconnect the appliance from the mains power.
- Detach the negative terminal clamp (black) from the battery's negative terminal.
- Detach the positive terminal clamp (red) from the battery's positive terminal.
- Reconnect the vehicle's positive terminal connection cord to the battery's positive terminal.
- Reconnect the vehicle's negative terminal connection cord to the battery's negative terminal.

**Switching off**

- Switch the charger off by pulling out the mains plug.
Cleaning and care

**WARNING!**

**Risk of electric shock!**

There is a risk of electric shock from live parts of the appliance.

- Before assembly and maintenance work and before cleaning the appliance, always unplug the mains plug from the mains power supply.

- Before cleaning, pull the mains plug out of the socket. Use a soft, dry cloth to clean the appliance. Avoid the use of chemical solutions and cleaning products because these may damage the appliance surface and/or markings.

- After longer periods of use, also clean the terminal clamps with a dry cloth to maintain excellent contact with the terminals.

**Storing/transporting**

- When you are not using the appliance, unplug the mains plug and store the appliance at between –20 °C and 60 °C in a dry, dust-free environment that is not exposed to direct sunlight.

- Do not store the appliance within the reach of children.

- To avoid damage during transport, we recommend that you use the original packaging.
Disposal

PACKAGING

The product has been packaged to protect it from damage in transit. The packaging is made of materials that can be recycled in an environmentally friendly manner.

DEVICE

Old devices may not be disposed of with normal household waste. If you can no longer use your electrical device, dispose of it in accordance with the legal provisions applicable in your area. This involves separating the materials in the device for the purpose of recycling and minimising the environmental impact.

Take old devices to a collection point for electrical scrap or a recycling centre. Contact your local waste disposal company or your local authority for more information on this subject.
## Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>MD 18559</td>
</tr>
<tr>
<td><strong>Input</strong></td>
<td>220–240 V ~ 50 Hz, 0.6 A</td>
</tr>
<tr>
<td><strong>Input power</strong></td>
<td>60 W</td>
</tr>
<tr>
<td><strong>Output during standby</strong></td>
<td>&lt; 0.8 W</td>
</tr>
<tr>
<td><strong>Electrical protection class</strong></td>
<td>II</td>
</tr>
<tr>
<td><strong>Voltage tolerance</strong></td>
<td>± 0.3 V</td>
</tr>
<tr>
<td><strong>Current tolerance</strong></td>
<td>± 10 % (± 15 % for 0.8 A)</td>
</tr>
<tr>
<td><strong>Trickle charge current</strong></td>
<td>50–150 mA</td>
</tr>
<tr>
<td><strong>Cut-off voltage</strong></td>
<td>Approx. 7.6 V (6 V / 0.8 A charging mode)</td>
</tr>
<tr>
<td></td>
<td>Approx. 15.1 V (12 V / 0.8 A charging mode)</td>
</tr>
<tr>
<td></td>
<td>Approx. 15.1 V (12 V / 3.8 A charging mode)</td>
</tr>
<tr>
<td></td>
<td>Approx. 15.5 V (12 V / 3.8 A Cold)</td>
</tr>
<tr>
<td><strong>Output for batteries</strong></td>
<td>6 V or 12 V</td>
</tr>
<tr>
<td><strong>Charging current</strong></td>
<td>approx. 0.8 A / 3.8 A (12 V batteries)</td>
</tr>
<tr>
<td></td>
<td>approx. 0.8 A (6 V batteries)</td>
</tr>
<tr>
<td><strong>Suitable for battery type</strong></td>
<td>12 V: 1.2 Ah–120 Ah</td>
</tr>
<tr>
<td></td>
<td>6 V: 1.2 Ah –14 Ah</td>
</tr>
<tr>
<td><strong>Protection class</strong></td>
<td>IP65</td>
</tr>
<tr>
<td><strong>Cable length (mains cord with mains plug)</strong></td>
<td>1.80 m</td>
</tr>
<tr>
<td><strong>Cable length (charging cord with battery terminals)</strong></td>
<td>1.90 m</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>0 °C to +40 °C</td>
</tr>
<tr>
<td><strong>Storage temperature</strong></td>
<td>-20 °C to +60 °C</td>
</tr>
</tbody>
</table>
Declaration of Conformity

Medion AG hereby declares that this appliance complies with the fundamental requirements and the other relevant provisions of:

- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- RoHS Directive 2011/65/EU.

Service information

Please contact our Customer Service team if your device ever stops working the way you want or expect it to. There are several ways for you to contact us:

- In our Service Community, you can meet other users, as well as our staff, and you can exchange your experiences and pass on your knowledge there. You will find our Service Community at http://community.medion.com.
- Alternatively, use our contact form at www.medion.com/contact.
- You can also contact our Service team via our hotline or by post.

<table>
<thead>
<tr>
<th>Opening times</th>
<th>Hotline number UK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon – Fri: 08.00 – 20.00</td>
<td>0333 3213106</td>
</tr>
<tr>
<td>Sat – Sun: 10.00 – 16.00</td>
<td>1 800 992508</td>
</tr>
</tbody>
</table>

Service address

MEDION Electronics Ltd.
120 Faraday Park, Faraday Road, Dorcan
Swindon SN3 5JF, Wiltshire
United Kingdom

You can download this and many other sets of operating instructions from our service portal at www.medion.com/gb/service/start/.
You will also find drivers and other software for a wide range of devices there.
You can also scan the QR code on the side of the screen, to download the operating instructions onto your mobile device from the service portal.
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Copyright is owned by the company:
MEDION AG
Am Zehnthof 77
45307 Essen
Germany

Please note that you cannot use the address above for returns. Please always contact our Customer Service team first.
Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.

PRODUCED IN CHINA FOR:

ALDI STORES LTD. PO BOX 26, Atherstone
WARWICKSHIRE, CV9 2SH.

ALDI STORES (IRELAND) LTD.
PO BOX 726, Naas, CO. KILDARE.

VISIT US AT WWW.ALDI.COM

AFTER SALES SUPPORT

www.medion.co.uk

0333 32 13 706

0800 99 25 08

0333 32 13 706

0800 99 25 08

3 YEAR WARRANTY

MD 18559

10/2018

Contents

Overview ....................................................................................... 3
Use ................................................................................................. 3
Appliance parts ............................................................................... 4
Information about these operating instructions .......................... 7
Proper use ....................................................................................... 9
Safety information ........................................................................ 10
Package contents .......................................................................... 16
Mounting on the wall ..................................................................... 16
Operation ........................................................................................ 17
Description of the charging cycle .................................................. 21
Protection against wrong polarity ............................................... 23
Overheating cut-out ..................................................................... 23
Disconnecting the battery ............................................................ 24
Switching off ................................................................................. 24
Cleaning and care ......................................................................... 25
Storing/transporting .................................................................... 25
Disposal .......................................................................................... 26
Technical specifications ................................................................ 27
Declaration of Conformity ............................................................. 28
Service information ...................................................................... 28
Legal Notice ................................................................................... 29