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Safety instructions

Thank you for purchasing the HM E-RIDE Power Assisted Electric Bicycle (EPAC). The E-RIDE features the most recent innovation in technology and applies to the EN 15194 standard.

For safety reasons, it is most important that you read this User Guide BEFORE you operate the bike. Improper handling can reduce its riding performance and most importantly, pose danger to your safety and health!

HM Bike is continuously updating and innovating this product. The printed manual may therefore not always include the latest updates. However, we shall make sure that our online manual will always be up to date on www.hmbike.com

Should you sell this bike please pass this user manual on to the new owner!

SYMBOLS

Please pay particular attention to the information next to one of the symbols shown below as it can be very important for your personal safety.

⚠️ WARNING
This symbol indicates that improper handling poses a risk to your health and safety

⚠️ ATTENTION
This indicates that improper handling could damage components and make void the warranty.

⚠️ NOTE
Points out to useful tips.

some technical data:
- power assistance up to 25 km/h
- range for single charge 50 - 80 km
- standard load 90 kg
- riding noise <62dB
- motor type: toothed brushless
- output power 250W
- rated voltage 36 V
- motor weight 3 kg ca.
- battery type Lithium 36V, Ah 10
- controller type intelligent brushless
- charger input voltage 100~240 V/AC
- charger output voltage 42V
- charger output current 2A
- charging time: 4~8h

⚠️ Do not at any time dismantle or disassemble any of the above e-bike components!

Always pull the the brakes and hold the handlebar firm and straight before taking off in order to make sure you keep control of the bike when power assistance is in action! NOTE that power assistance is triggered off IMMEDIATELY as soon as the foot slightly presses on the pedal.

For handling and maintenance of the bicycle, please refer to the HM Bike Owner Manual which is an integral part of this e-bike owner manual! The HM Bike Owner Manual can be downloaded from www.hmbike.com
Diagram of e-bike specific components

1 Motor
2 Battery
3 Controller
4 Sensor
5 Control panel
6 Rear light
7 Front light
Control panel functions

(1) ON/OFF switch for power assistance
(2) ON/OFF switch for the front light
(3) LED battery capacity indicator
(4) LED indicator for assistance level
(5) MODE switch for choosing power assistance level

NOTE
When pressing the MODE switch (5) the program starts with medium power assistance and the MED (4) LED light comes on.

Each time you press MODE (5) you can choose the desired assistance level. (LOW / MED / HIGH)

Battery capacity indication
The battery charging status is indicated as follows:

LED means: the battery is fully charged
LED means: the battery is 75% charged
LED means: the battery is 50% charged
LED means: the battery is almost empty and needs to be re-charged (remaining capacity or about 25%)
Important safety notes concerning the charger!

Before you first use the charger please read the following notes regarding safety carefully!

**WARNING**

- Keep the charger away from children!
- In order to prevent any possible injury this charger should only be used for the original lithium battery which is supplied together with the HM E-RIDE. Any other battery is not compatible and risks to explode while charging, causing serious injury to people as well as damage to other equipment.

- Using this charger for batteries not supplied by HM Bike for the E-RIDE could risk catching fire, provoke electric shock and/or cause serious injury.

Please make sure that the charger is always kept dry and does not get wet at any time.

Should there be an incidence of contact with water or any other liquid, make sure to unplug the charger immediately from the power socket and have it inspected by a specialty dealer.

Make sure the charge is always placed on a flat surface when in use.

Please make sure that the charger is always unplugged and removed from the power socket when not in use.

Before using the charger, always make sure that the plug and the cables are not damaged.

Never try to disassemble the charger. Wrong re-assembling could cause an electric shock and serious injury.

Always unplug the charger before cleaning it.

The charger should only be cleaned with a dry cloth. Never use a wet cloth, oil or any other liquid.

Do not use an extension cable. Only use the original cable supplied with the charger. An extension cable might, if not 100% compatible, catch fire or cause an electric shock.
Trouble Shooting:

Should there be any difficulties with charging please check if:

- the power cable is connected properly.
- the charger plug or the battery socket is damaged.
- the battery shows any damage on the surface.
- the power socket works and whether the correct voltage is provided.
  (if necessary, plug in another gadget and check),

Should the problem persist, please contact the shop where the e-bike was purchased or contact us at info@hmbike.com
Important safety notes concerning the battery!

Before riding an HM E-RIDE, please read the here following notes in order to make best use of the battery.

- Although the battery is charged about 50% when the bikes leaves the factory, it needs to be charged for a min.time of 24 h before its first use.

- The battery will reach its full capacity after about 4 - 5 charging cycles (i.e. 5 times empty and 5 times fully charged).

⚠️ WARNING
Keep the battery out of reach for children. Never try to open the battery. Apart from this being dangerous all warranty will be void.

Do not provoke a shortcut circuit with metal gadgets.

Do not dip the battery in water or any other liquid.

Do not keep the battery close to heat or open fire.

A battery needs to be re-cycled after use, never throw it in an open fire as it could explode.

If the battery is damaged because it has been dropped somewhere or because of a biking accident, there might be a risk of electrolytes leakage. Beware of chemical burns! Do not touch the battery without a cloth or gloves and make sure no acid touches your eyes!

Immediately stop using a damaged battery.

ATTENTION
Battery and charger are tuned. Always use the charger which has been supplied with the bike. Never use another one!

Please make sure the battery is well protected, and that it is never exposed to humidity.

Before connecting the charger and battery, please ensure that the input voltage corresponds to the one indicated on the charger (100 ~ 240V).

Although the battery is constructed for over 1000 charging cycles, its life-span can be optimized if it is kept in an environment with a temperature between +10°C and +30°C.

Please note that the temperature of the battery will rise when running in HIGH assistance mode over a longer time period. Therefore, before charging the battery, please let it cool down to room temperature, if necessary.

Keep the battery out of reach for children.

Never try to open the battery. Apart from this being dangerous all warranty will be void.

Do not provoke a shortcut circuit with metal gadgets.

Do not dip the battery in water or any other liquid.

Do not keep the battery close to heat or open fire.

A battery needs to be re-cycled after use, never throw it in an open fire as it could explode.

If the battery is damaged because it has been dropped somewhere or because of a biking accident, there might be a risk of electrolytes leakage. Beware of chemical burns! Do not touch the battery without a cloth or gloves and make sure no acid touches your eyes!

Immediately stop using a damaged battery.
Battery: further information and maintenance

In order to maximize the use of this battery, please consider the following:

The battery will not charge when exposed to temperatures below +0°C or above +60°C. It is, therefore, recommended to keep the battery at room temperature before charging it.

The charger operates with a micro-computer system with automated control functions. It automatically stops charging when the battery is full. It cannot be damaged by overcharging.

None the less, we strongly recommend to always disconnect the power plug (p. 9, (6)) from the wall socket after the battery is charged!

When storing the battery for a longer time period, (e.g. during winter time) it is important to place the fully charged battery on a flat surface in a dry place.

ATTENTION

The battery should be re-charged once every 3 months when it is not used. Negligence could lead to complete discharge of the battery and this would make the warranty on the battery void.

NOTE

The discharging of the battery is due to chemical processes which are taking place within the battery cells. How much a battery discharges depends on the time it has not been used and the temperature it has been exposed to.

Thus, a re-charge every 3 months, when not in use, is essential for the life-span of the battery.
Charging the battery

ATTENTION

BEFORE charging, please make sure that the battery is switched ON (2) and that the red led light (1) is indicating.

Charging when battery is not removed:

i) flip up the handle (3)
ii) connect the charging cable plug (4) to the battery
iii) connect the power plug (5) with the charger and the power plug (6) to a wall socket.

NOTE

The battery can either be charged while on the bike or the battery can be removed and charged at a place of your convenience.
Removal and insertion of the battery to check the charging status (battery fuel gauge)

NOTE

The battery is securely locked when attached to the bicycle. (1)

To remove the battery:

i) insert the key and turn it to the RIGHT (2)

ii) flip up handle (3) and pull out the battery (4)

To insert battery:

i) push it into the carrier until it is tightly connected to the controller sockets on the rack behind the seat post (5)

ii) turn the key (2) to the LEFT

NOTE

The battery has a fuel gauge so that the charging status of the battery can also be checked when the battery is removed.

To check the fuel gauge:

i) flip the handle up (6)

ii) press the nob and see the LED lights (7)

<table>
<thead>
<tr>
<th>Color</th>
<th>LED Lights</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>green</td>
<td>● ● ●</td>
<td>fully charged</td>
</tr>
<tr>
<td>green</td>
<td>● ●</td>
<td>charged by about 2/3</td>
</tr>
<tr>
<td>green</td>
<td>●</td>
<td>charged by about 1/3, and should be re-charged</td>
</tr>
<tr>
<td>red</td>
<td>●</td>
<td>battery is empty</td>
</tr>
</tbody>
</table>
Change fuse

Please make sure NOT to use a stronger fuse than the original one (30Ah / 32V) which comes with the battery which is installed on the bike. Never try to repair a fuse. Wrong use may damage the whole electric current system.

To change fuse:
i) switch off the display
   (1) ON/OFF
ii) switch off the battery,
    (2) and remove it
    as shown on page 10
iii) remove cover (using e.g. a small screwdriver.
iv) remove fuse
v) insert new fuse and proceed in the reverse sequence described under i), ii), iii).
Remove of the front wheel

i) press both brake arms towards each other (1), pull the leadpipe (2) out of the cage and unhook the brake cable.

ii) disconnect the front motor cable plugs (3 & 4) and unhook cable from front fork cable guides (5).

ii) pull out the bolt plastic cover (6), loosen bolt (7) pull the wheel downwards and separate it from the fork.

ATTENTION
When pulling out the wheel, please pay attention to the safety washer (8) and spacer (9) making sure you do not lose them.
i) Insert the spacer which comes between fork and motor (1) on each side of the axle. After that, pull the wheel upwards and insert it in the fork drop outs (2); then, insert the safety washers (3) on each side and tighten bolts (4) on each side with about 35 Nm. Finally, press the plastic cap (5) on each of the bolts.

ii) Connect the front motor cable plugs (6 & 7) and hook cable to front fork cable guides (8).

iii) Press both brake arms towards each other (9), insert the leadpipe (10) into the cage and hook the brake cable.
Adjust stem and seat post

NOTE  Stem angle as well as handlebar position can be adjusted easily without any particular tool!

To do so:

i) push the sliding switch downwards in the direction indicated as shown by the arrow (1), flip UP lever (2) and then release again sliding switch (1).

ii) adjust stem (3) to the angle which gives you the most comfortable riding position and at the same time turn the handlebar (4) to the most suitable position. Then flip DOWN lever (2) and press it firmly against the stem-joint (5).

WARNING  Please make sure that the quick release (QR) (1) is tightened firmly. If necessary, adjust QR bolt (4) in order to increase torque. A QR which does not properly tightening the seat post could cause serious accidents with severe injuries!