

User Manual

# Moonboon Motor 2.0

Important: Read the user manual carefully  
and keep it for future use.



moonboon®  
kids & baby studio

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# Important Information

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## **WARNING**

Do not use this product without first reading the user manual.

## **WARNING**

Stop using the product as soon as the child can sit by themselves, lie or sit on their knees or can climb out of the Cradle/Baby Hammock.

## **WARNING**

The use of additional items not intended for the product may pose a suffocation hazard.

## **WARNING**

Do not use the product close to other products that can hinder the operation of or obstruct the product during use.

## **WARNING**

Do not use the product near other products that can cause choking or strangulation hazards, e.g. cords, wires, curtain cords, etc.



# Instructions Video

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Moonboon has developed a series of videos to show you easily and quickly how to assemble and mount your Moonboon product.

The instructional videos are a supplement to the user manual. It is critical that you read this user manual.

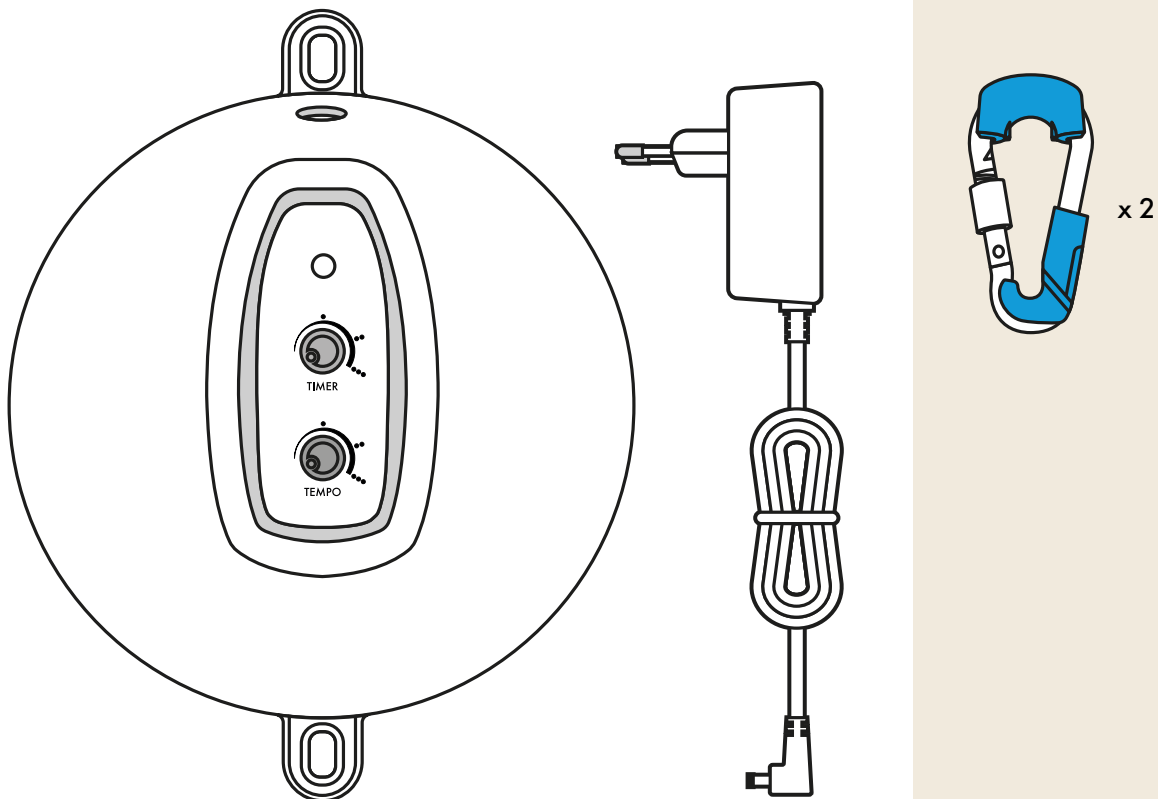


Scan the QR code below with your smartphone or use this link to see the videos:

[moonboon.com/pages/videos](https://moonboon.com/pages/videos)

## What is included

- 1 Moonboon Motor 2.0
- 1 24V power supply and 10 feet / 3 meters of cord
- 2 carabiners with plastic parts



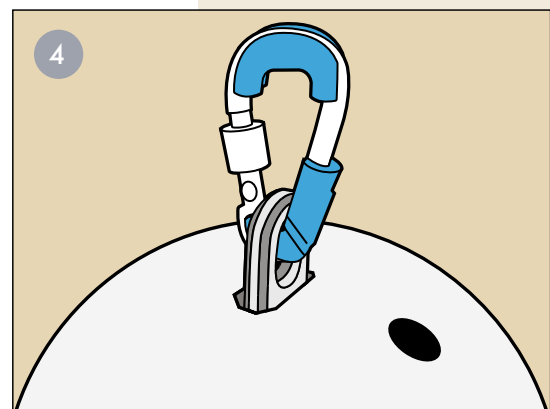
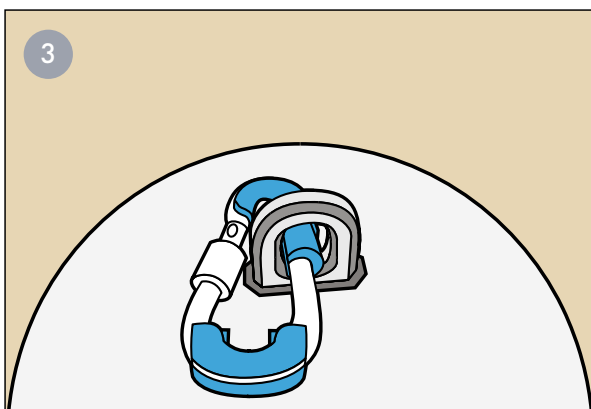
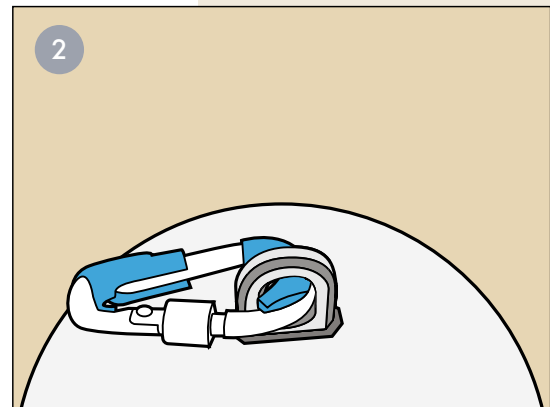
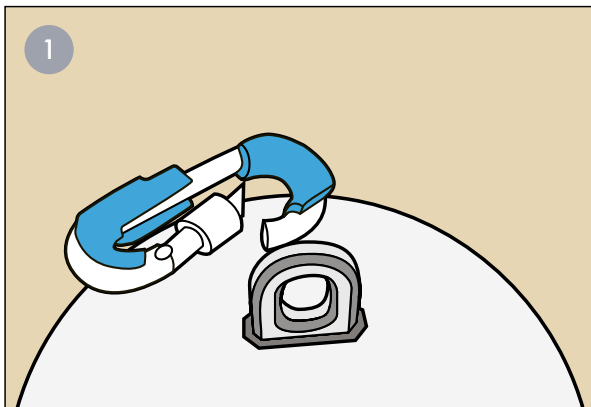
# Assembly

Plastic parts are already fitted to your Carabiners. The plastic parts prevent metal-to-metal in your setup.

Before you hang the Moonboon Motor, the Carabiners must be fitted.

The Carabiners must be attached from the side, otherwise they cannot be turned properly into place. Both Carabiners must be installed with the narrow end pointing towards the Motor. See illustration 4.

It is important that you lock your Carabiners during installation. This is done by screwing upwards on the safety lock until it is tightened. Avoid overtightening the safety lock.



# Mounting

- 1 Start by assembling and installing your Moonboon mounting system: Moonboon Tripod Stand 2.0, Mounting Kit or Door Frame Clamp.

If you hang your Moonboon Motor from a ceiling hook (e.g. Moonboon's Mounting Kit), you must carefully read the section on **WEIGHT**.

- 2 Attach the Carabiners in accordance with the installation instructions on page 5.

- 3 Attach the Carabiner to your mounting system and attach the power supply to the small hole at the top of the motor. The cable on the power supply is 3 meters long. Make sure that the Cradle/Baby Hammock is placed near an electrical outlet, or use an extension cord.

Make sure that the cable does not hang down next to the motor, but is routed away from the setup, as this can create unwanted oscillations in the product.

- 4 Included with your Moonboon product is a spring specially developed for the Baby Hammock, Twin Baby Hammock and Cradle. The spring is adapted to the product and the child's weight (Baby Hammock and Cradle) or the children's combined weight (Twin Baby Hammock). Use the included spring for optimal safety.

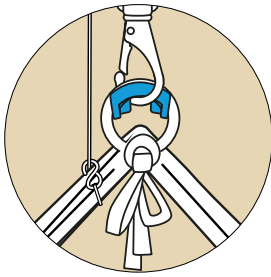
- 5 Then mount the Baby Hammock, the Twin Baby Hammock or the Cradle as illustrated. When using with the Twin Baby Hammock, make sure that the triangular safety carabiner hooks are tightened correctly and that the safety locks of the Carabiners are securely tightened. Avoid overtightening the safety locks.

- 6 When the Baby Hammock, Twin Baby Hammock or Cradle is mounted on the spring, the motor cable with the small s-hook must be mounted on your Baby Hammock, Twin Baby Hammock or Cradle. The motor cable is located at the bottom of the Moonboon Motor and must be pulled out manually when it is to be mounted.

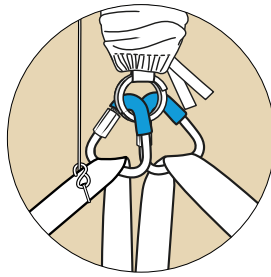
The last part of the cable consists of a short nylon cord on which the s-hook is mounted. The motor cable is mounted by passing the nylon cord and s-hook down and around the top of the product. For the Cradle, the nylon cord is fitted around the adjustable cradle straps, approximately 7 cm from the metal ring. For the Baby Hammock and Twin Baby Hammock, the nylon cord is fitted around the folded fabric, approximately 7 cm from the metal ring. Then fasten the s-hook around the nylon cord to tighten it. See illustration below.

## Please note

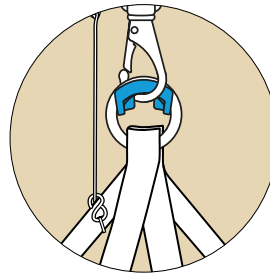
If the Moonboon Motor is suspended from the ceiling, it is important to use a stainless steel hook without coating. Similar precautions must be applied if you use a metal chain.



Baby Hammock



Twin Baby Hammock



Cradle

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It is important that the cord is firmly attached before releasing. Make sure that the cable is not in contact with the spring cover or anything else, as this can create unwanted oscillations and wear on the cable and the product.

When the Moonboon Motor and the motor cable are installed correctly, you can switch on the power.

Read the sections on **HEIGHT** and **WEIGHT** before using the Motor.

## Height

It is essential that Baby Hammock, Twin Baby Hammock or Cradle does not touch the floor during operation. Before using your product, perform two tests to ensure that it does not touch the floor.

### First test: Without child

Assemble the Baby Hammock, Twin Baby Hammock or Cradle as described in their respective user manuals and pull the spring to stretch it as far as possible. This is done by pulling the spring until you feel the safety strap (the nylon strap inside the spring) stopping the spring from extending any longer.

When the spring is fully extended, there must be ample clearance between the bottom of the Baby Hammock, Twin Baby Hammock or Cradle and the floor.

If the Baby Hammock, Twin Baby Hammock or Cradle touches the floor, then check the setup again, or find a different location for the mounting.

### Second test: With child

Place the child in the Baby Hammock, Twin Baby Hammock or Cradle and perform the same test as before: Stretch the spring until you feel the safety strap stop the spring.

There must be ample clearance between the bottom of the Baby Hammock, Twin Baby Hammock or Cradle and the floor.

## Please note

The nylon string is to be fastened as close to the center of the Baby Hammock, Twin Baby Hammock or Cradle as possible while still leaving distance between the motor wire and the Spring. Make sure to prevent the wire from touching and wearing out the fabric covering the spring.

## Please note

Use of a Moonboon Motor and a Moonboon Baby Hammock mounted in a Door Frame Clamp requires a minimum of 86 inches / 220 cm between the door frame and the floor.

## Please note

Follow these instructions and perform the tests regularly as your child grows and becomes heavier. That is how you ensure that the Baby Hammock, Twin Baby Hammock or Cradle never touches the floor.

# Weight

The motor works by keeping the spring system in constant motion. Your child's weight and the spring used are the two main factors of motor performance.

## Baby Hammock

The supplied spring for the Baby Hammock can be used when the baby weighs between 3 kg and 12 kg.

Depending on the baby's weight, there will be a difference in how long a strap you can use over the motor if you have your Moonboon Motor hanging from a ceiling mount. Always follow the accompanying recommendations and safety requirements to ensure that the Baby Hammock is securely fastened and that the Moonboon Motor rocks as intended.

### If the child weighs less than 8 kg

If the child weighs less than 8 kg, there must be a maximum of 15 cm of strap from the motor up to the ceiling mount.

### If the child weighs more than 8 kg

If the child weighs more than 8 kg, there must be a maximum of 50 cm of strap from the motor up to the ceiling mount.

## Moonboon Twin Baby Hammock

The supplied *Spring for the Twin Baby Hammock and the Cradle* can be used when the combined weight of the children is between 4 kg and 12 kg.

Depending on the baby's weight, there will be a difference in how long a strap you can use over the motor if you have your Moonboon Motor hanging from a ceiling mount. Always follow the accompanying recommendations and safety requirements to ensure that the Twin Baby Hammock is securely fastened and that the Moonboon Motor rocks as intended.

### If the combined weight of the children is less than 8 kg

If the combined weight of the children is less than 8 kg, there must be a maximum of 15 cm of strap from the motor to the ceiling mount.

### If the combined weight of the children is more than 8 kg

If the combined weight of the children is more than 8 kg, there must be a maximum of 50 cm of strap from the motor up to the ceiling mount.

A Spring+ can be purchased for the Twin Baby Hammock and Cradle, which can be used for a child with a weight of between 12 kg and 20 kg.

## Please note

Insufficient weight in the Baby Hammock, Twin Baby Hammock or Cradle will cause the Moonboon Motor to malfunction or turn off.

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## Moonboon Cradle

The supplied *Spring for the Twin Baby Hammock and the Cradle* can be used when the baby weighs between 3 kg and 12 kg.

Depending on the baby's weight, there will be a difference in how long a strap you can use over the motor if you have your Moonboon Motor hanging from a ceiling mount. Always follow the accompanying recommendations and safety requirements to ensure that the Cradle is securely fastened and that the Moonboon Motor rocks as intended.

### **If the child weighs less than 8 kg**

If the child weighs less than 8 kg, there must be a maximum of 15 cm of strap from the motor up to the ceiling mount.

### **If the child weighs more than 8 kg**

If the child weighs more than 8 kg, there must be a maximum of 50 cm of strap from the motor up to the ceiling mount.

A *Spring+* can be purchased for the Twin Baby Hammock and Cradle, which can be used for two children with a combined weight of between 12 kg and 20 kg.

## **Please note**

For safety reasons, we do not recommend using a Baby Hammock, Twin Baby Hammock, Cradle or any other product from another brand with the Moonboon Motor 2.0.

If you do, you must be aware of the safety requirements of the product and the associated spring. In some cases, the Moonboon Motor 2.0 can only be used from a higher total weight. This is because there is a difference between springs, their quality and their dimensioning.

# Using the Moonboon Motor

Once you have installed the Moonboon Motor and connected the power supply, you can begin operation. Go through the **SAFETY CHECKLIST** and ensure that all points are met before switching on the Moonboon Motor for the first time.

You can switch off the Moonboon Motor at any time by turning the knobs all the way to the left.

## Timer

The top button 'TIMER' is used to set the period of time you want the Moonboon Motor to rock.

The three dots indicate how long the engine will operate. The timer on the motor can be set for anything between 5 minutes and 2 hours, or set to run indefinitely. See the illustration for time settings.

The Moonboon Motor 2.0 is equipped with a safety function that automatically stops the motor after 12 hours. We always recommend turning off the engine as soon as your child is asleep.

## Tempo

The bottom button 'TEMPO' is used to set the rocking speed.

The rocking speed is lowest when the pointer is turned to the left and highest when it is pointing to the right.

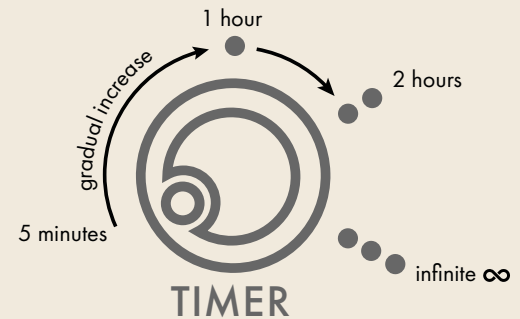
## Starting the Motor

- First turn the 'TIMER' button and set the desired time.
- Then turn the 'TEMPO' button and set the desired rocking speed.

When both knobs are set and the LED lights up green, simply put one hand on the crossbar and start the Baby Hammock or Twin Baby Hammock by gently pressing down once or twice. The Cradle is started by carefully pulling down on the spring once or twice.

The engine will now take over and will begin to rock. You can use the knobs to increase or decrease the pace so that the motor rocks at exactly the speed your baby wants.

When the time is up, the motor will slow down and then stop completely.



## Please note

Moonboon Motor 1.0 cannot be set to rock indefinitely. The Moonboon Motor 1.0 can be set to rock from 5 minutes up to 3 hours.

## Please note

Please note that the motor will not work with too little weight or no weight in the Baby Hammock or Cradle. When used with the Baby Hammock and the Cradle, the child must weigh at least 3 kg. When used together with the Twin Baby Hammock, the children must have a combined total weight of at least 4 kg.

## Please note

You can always stop the Moonboon Motor by grabbing the Baby Hammock, Twin Baby Hammock, or the Cradle. This will cause the LED to glow red. The Moonboon Motor must then be switched off and restarted by turning both knobs all the way to the left for it to restart.

# Troubleshooting

## The LED does not light up

Check that the power supply is firmly attached to the top of the Moonboon Motor and that the power is switched on. Turn off the power and wait 30 seconds before turning it back on.

If the diode still does not light up, the Moonboon Motor may need servicing. Please contact customer service.

## The LED flashes red and green

The Moonboon Motor indicates that you are not using a correct power supply. Read more in the **SAFETY CHECKLIST**.

## The LED lights up red

The motor has gone into fail safe mode and has stopped by itself as it has detected an error. Reset the motor by turning both knobs to the off position and then restart the operation.

If you repeatedly experience that the LED lights up red, this may indicate:

- There is not enough weight in the Baby Hammock, the Twin Baby Hammock or the Cradle. Read the section on **WEIGHT**.
- That you have too long a ceiling mount over the Moonboon Motor if it hangs from the ceiling. Read the section on **WEIGHT**.
- The Moonboon Motor is starting at too low a speed. If necessary, start the engine at a higher speed, then reduce to the desired speed.
- The motor cable is not attached correctly to the Baby Hammock, the Twin Baby Hammock or the Cradle. Adjust the cable according to the instructions in the section about **MOUNTING**.
- The Moonboon Motor is registering the baby's movement as a safety risk. In this case, the motor will go into fail-safe mode and switch itself off.

# Questions and Answers

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## Can the Moonboon Motor 2.0 be used for all baby hammock and cradles?

Moonboon Motor 2.0 from Moonboon is compatible with most baby hammocks and cradles on the market, but is designed to fit perfectly with Moonboon's Baby Hammock, Twin Baby Hammock, Cradle and Moonboon Springs.

Note that the operation of the motor is dependent on the weight applied to it. Follow the instructions to ensure that the Moonboon Motor works properly. For more information, read the section on **WEIGHT**.

## Can the motor rock faster?

Several experts have participated in the design of the Moonboon products – engineers as well as professionals from the health authorities. Our primary concern has always been safety, and the maximum speed of the motor was set according to the recommendations of the experts.

## How long can the motor run?

We have developed the timer on our engine to be able to run from 5 minutes to up to 2 hours, or unlimited if desired. When the timer is finished, the Motor will slow down and then turn off completely.

For safety reasons, the Moonboon Motor 2.0 is equipped with a safety function that automatically stops the motor after 12 hours. We always recommend turning off the motor as soon as your child is asleep.

## Why are plastic parts included with my Moonboon Motor?

In August 2021, the Danish Safety Agency drew attention to the fact that there have been cases where children have had metal splinters in their eyes due to unsuitable metal hooks used to hang sensory swings, bird nests and baby hammocks. None of these cases were from Moonboon products.

Moonboon has developed a specific ceiling mount, which can be used for mounting in ceilings made of concrete and wood. In addition, Moonboon has developed plastic parts for Moonboon's spring and Moonboon Motor system to completely avoid metal on metal contact in the mount.

## Please note

It is important to use a stainless steel hook without coating. Similar precautions must be applied if you use a metal chain.

## More questions?

Moonboon has provided answers to these and many other questions online. Click on the link below or scan the QR code to see the list.



[moonboon.com/pages/FAQ](https://moonboon.com/pages/FAQ)

## Cleaning

Cleaning the Moonboon Motor with a damp towel. Do not use soap or other chemicals on the Moonboon Motor and keep the Moonboon Motor away from water and dirt.

## Disposal

When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:



Never dispose of the product with other household waste. Make sure you know the local regulations on separate collection of electrical and electronic products. Correct disposal of end-of-life products helps prevent negative impacts on the environment and human health.

# Safety Checklist

Carefully read the safety checklist below. When you have checked the list and verified that everything is as described, you may begin using the Moonboon Motor. Enjoy!

- Only fit the Moonboon Motor with original parts. Check that the Carabiners are closed and locked correctly each time you use the engine.
- Always use the supplied plastic parts.
- Moonboons Moonboon Motor 2.0 has been developed to work with Moonboon's Baby Hammock, Twin Baby Hammock, Cradle, springs and associated products. If you use a similar product from another manufacturer, we cannot guarantee the safety or the product or that the Moonboon Motor can be installed properly or will function correctly.
- If your Moonboon Motor hangs from a ceiling mount/chain, you must have a maximum of 15 cm of strap/chain above the motor, if the baby in the Baby Hammock, Twin Baby Hammock or Cradle weighs less than 8 kg. If the child weighs more than 8 kg, you can use up to a 50 cm strap/chain over the Moonboon Motor.
- If desired, a Spring+ can be purchased for the Twin Baby Hammock and the Cradle, which can be used for two children with a combined total weight between 12 kg and 20 kg, or a single child with a weight between 12 kg and 20 kg.
- You must ensure that the Baby Hammock, Twin Baby Hammock or Cradle has ample clearance from the floor when it is rocking. Read the section on **HEIGHT**.
- We recommend that you are always close to and supervise your child or children in the Baby Hammock, Twin Baby Hammock or Cradle. This applies to any time your child is in the cradle, day or night.
- You can switch off the Moonboon Motor by grabbing the Baby Hammock, Twin Baby Hammock or Cradle and holding until the motor stops. This will cause the LED to glow red and you will need to restart the motor.
- Moonboon advises against any use of the Baby Hammock, Twin Baby Hammock or Cradle as soon as a child/children can turn over or can sit up under its own power. If you choose to continue the use of the product after the child/children can turn, sit up or sit up on their knees, the child/children must be under constant supervision. Moonboon disclaims any responsibility for the use of the Moonboon Motor in this case.
- The Moonboon Motor must never be used as a toy. Never push the Baby Hammock, Twin Baby Hammock or Cradle while a child is in the Baby Hammock, Twin Baby Hammock or Cradle.
- If there is visible damage or wear to the Baby Hammock, Twin Baby Hammock, Cradle or Moonboon Motor, you must stop using the Moonboon Motor immediately until the damage has been repaired. Contact customer service for recommended spare parts.
- The Moonboon Motor can only withstand indoor use at a between 0 and 45 degrees Celsius and a maximum humidity level of 80 percent.
- The Moonboon Motor is not approved for use in wet or damp conditions, in bathrooms or near water.
- The Moonboon Motor is approved for use in countries that have an electrical grid that supplies 100-240V AC.
- The Moonboon Motor is not approved for use if connected to a DC power supply that has not provided proof of safety standards.
- If the motor unit is connected to an unsuitable DC power supply, start-up will fail and the diode will flash green and red.

## Please note

Make sure to check regularly that the motor and the mounting meet all safety requirements.