INSTALLATION MANUAL

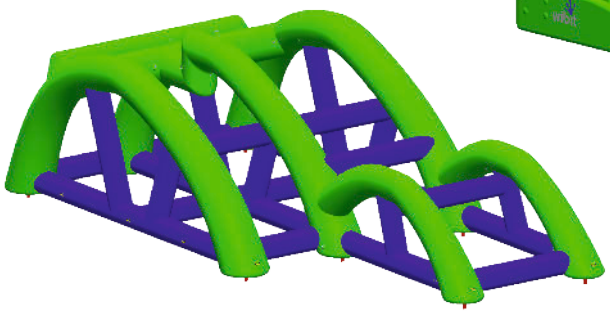
INSTALLATION

THE WAVE

SCAN ME

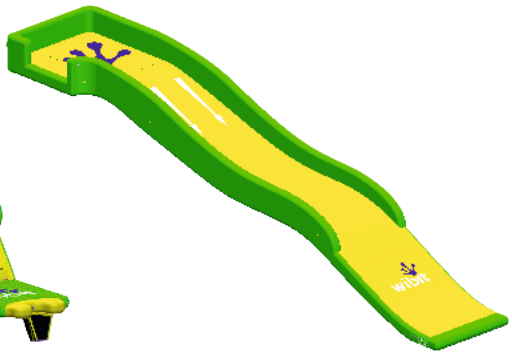
wibit™

Important:



Frame

Climb



Slide

For the installation, you additionally need:

- A team of five to ten people.
- At least three electric pumps.
- A 3.5 m (11.5 ft) long ladder.
- A motorized boat.

The setup time for inflation is approximately 2 to 4 hours, depending on the number of pumps used. For the installation and anchoring, an additional two hours should be planned.

General information about the Wave:

Rated power of the pump: 120 watts
Power consumption: 140 watts

Solar panels: total output 400–450 watts
Without solar support, the energy case lasts for approximately 3.5 to 4 hours (depending on the outside temperature — the colder it gets, the shorter the operating time — and on regular cleaning of the filters).

Red connections = Pump connection
Green connection = PV system

Finger-safe pre-filter
Particulate filter: Must be cleaned by the operator.

-> Clean under water to let as little air into the system as possible.
This allows the pump to restart more quickly, as no air is trapped
(If the pump's power consumption increases – clean the filters! Additionally, perform a visual inspection and cleaning once a week.)

Installation – Wave

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Preparation – Wave

01

Prepare the assembly area

- Spread out a sufficiently large tarp (approx. 20×10 m / 66'x 33') on the ground near the shoreline.
- Ensure that no sharp objects are beneath or on top of the tarp to avoid damaging the inflatable components.
- Secure the tarp with ground anchors.

Prepare the main inflatable components

- Get the three main inflatable elements (Frame, Climb, Slide) ready for inflation.
- Unpack all components.
- Place each element rolled up at the edge of the tarp.

Positioning the Frame Element

- Place the rolled-up Frame element in the center of the side of the tarp closest to the shore.
- Roll it out from the shore toward the water, ensuring it stays positioned on top of the tarp.
- Make sure the valves are located on the left side when viewed from the shoreline.
- Position the Frame element so that approximately the rear third is already in the water, while the remaining section stays on the tarp.
- Unfold the Frame element completely to both the left and right sides

Preparation – Wave

Positioning the Slide Element

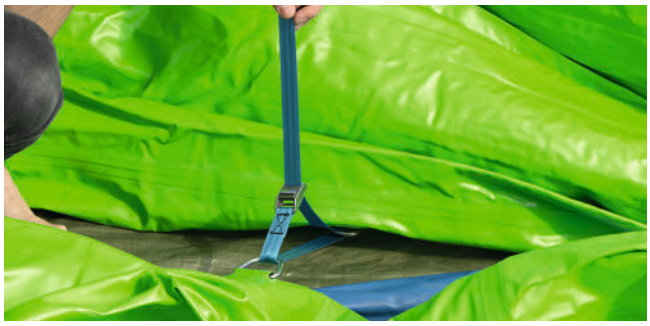
- Place the rolled-up Slide element at the lower right corner of the Frame element, when viewed from the shoreline.
- Roll out the Slide element along the right long side of the Frame toward the water.
- While rolling it out, begin loosely connecting the first three Anchor Plates on the Slide to the corresponding Anchor Plates on the Frame:
  - Use one Connector Strap per connection.
  - Thread the strap through the D-rings on both the Frame and Slide elements.
  - Close each strap loosely and ensure that the strap closures face downward toward the ground.
  - Keep all connections loose to allow for easy adjustment during inflation.

- After fully rolling out the Slide element, adjust its position so it aligns flush along the right side of the Frame element.

Observe the Wave during inflation and make sure that the correct anchor plates have been connected to each other. If the assignment of the anchor plates is incorrect, the product may be damaged during inflation. In such a case, stop the inflation process and disconnect the connections.

Preparation – Wave

01



Positioning the Climb Element

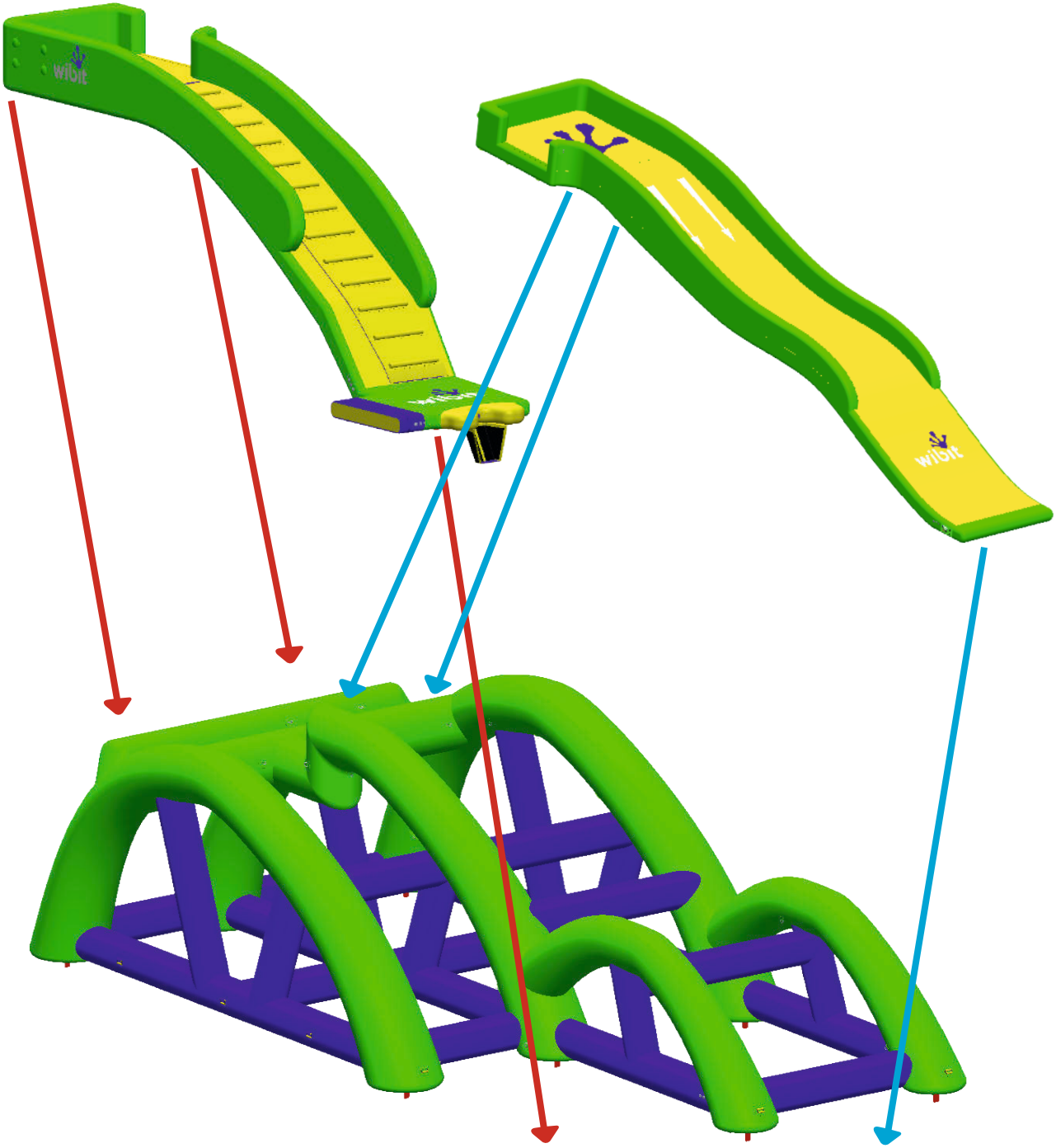
- Position the rolled up Climb element at the lower left corner of the Frame element, with its back facing the water.
  - The correct alignment is achieved when the mesh step points towards the shore.
- Roll out the Climb element along the left long side of the Frame.
- While rolling it out, begin loosely connecting the first three Anchor Plates on the Climb to the corresponding Anchor Plates on the Frame:
  - Use one Connector Strap per connection.
  - Thread the strap through the matching D-rings on both the Frame and Climb.
  - Close each strap loosely, ensuring that the strap closures face downward toward the ground.
  - Keep all connections loose to allow for easy adjustment during inflation.

- After fully rolling out the Climb element, adjust its position so that it aligns flush along the left long side of the Frame element.

Air valves

- The Frame element consists of one air chamber with three valves.
- The Slide element consists of one air chamber with two valves.
- The Climb element consists of two air chambers with three valves:
  - Climb section: two valves
  - Base SUS: one valve

Preparation – Wave



Inflation – Wave

Full Inflation

- Each air chamber has at least one pressure relief valve, that equalizes the air pressure in case of over-inflation.
- Connect one electric pump to the valves of each of the three elements.
  - If you have more than three pumps, you may use all of them at once.
  - If you have fewer pumps, distribute them across the elements so that all three inflate evenly.

- **Before starting inflation:**
  - Ensure all pumps are set to "Inflate".
  - Position the pumps securely on the tarp, protected from water and sand.
- Inflate the three elements simultaneously.
  - Depending on the number of pumps, full inflation takes between 90 minutes and 4 hours.
  - It is important that all three elements reach full inflation at the same time.

- **During inflation:**
  - Check that each pump is properly connected to its valve.
  - If a pump overheats, stop inflation and allow it to cool before continuing.

- **After full inflation:**
  - Check the air pressure using a manometer.
  - The correct pressure values are listed next to the valves and in the Product Manual.
  - The elements should be firm and the PVC should show no wrinkles.
  - If the air pressure is still too low, continue inflating the respective element until the required pressure is achieved.

Inflation – Wave

Alignment and Adjustment of Main Element Positions

- Adjust the positions of the Climb and Slide so that no gaps remain between them and the Frame.
- If the elements are difficult to move:
  - Spray the PVC contact surfaces with water to reduce friction.
  - This will make repositioning much easier.

Securing the Connections

- Stand underneath the fully inflated structure.
- Use a sturdy ladder (approx. 3,5 m / 12' high) to access the underside of the Frame.
- Tighten all Connector Straps that were previously attached loosely during setup.
- After tightening the straps, check that all Anchor Plate pairs along the connection points between Frame and Climb and Frame and Slide are firmly secured.

Installation of the Ladder Sheet

- Place the rolled-up Ladder Sheet along the Climb to the top platform of the Slide; the back side (marked with arrows) faces downward.
- Attach the Velcro strip on the narrow top side of the Ladder Sheet to the upper narrow Velcro strip on the Climb.
- Roll the ascent element downward and press the Velcro strips firmly together along the entire length.
  - The smallest step spacing must be at the top.
  - The largest step spacing is at the bottom.
  - Ensure you also press and secure the Velcro on the lower narrow side.
- Check that all Velcro surfaces are fully covered to guarantee a secure connection.

Preparations for the Watering System

- Lay out all required components:
  - Solar panels
  - Panel holders
  - Electric pump
  - Cable ties
  - Yellow power kit
  - All hoses and filters
  - Suction unit
- Inflate the panel holders using an electric pump via the designated valves and check the air pressure with a manometer.
- Attach the solar panels to the panel holders using four cable ties for each panel.
- When attaching the panels ensure the cable outlet on each solar panel is positioned so that the cable passes through the center hole of the panel holder.
- Connect the solar panel cables to the Y adapters of the MC4 extension cables.
  - Additionally, secure each cable to its panel using a cable tie.
  - Guide all cables through the large central opening in the panel holder.

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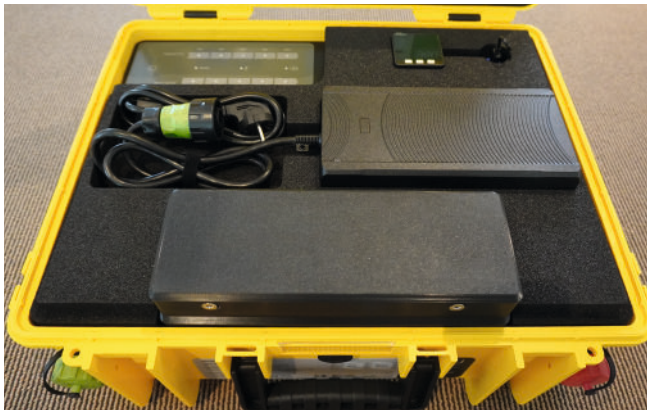
Commissioning the Yellow Power Kit and Remote Control

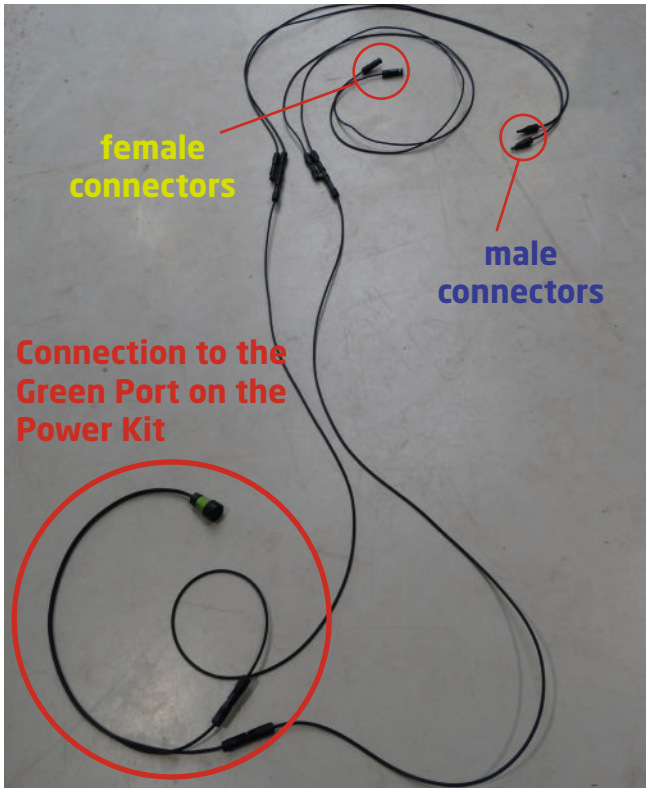
- Before first use:
  - Check the system functionality and the charge level of the Yellow Power Kit.
  - Fully charge the power kit with the supplied cable.
  - A completely discharged kit requires approximately 3 hours to reach 100% charge.
- Open the power kit and switch it on using the power button in the upper left area.
  - A status light indicates the current battery level.
- Remove the remote control and charging cable, both located in the upper right section of the power kit.
- Turn on the remote control using the power button on its right side.
- Connection process:
  - The remote should automatically pair with the power kit.
  - If it does not, press the power button twice, to turn off the remote and turn it back on again.



Important safety notice:
The energy case is only splash-proof, but not waterproof. The remote control is not suitable for water. Avoid any contact with water at all costs.

Securing the Yellow Power Kit

- Slide the power kit into the designated pocket located at the rear of the Frame.
- Secure the power kit using the two inner Connector Straps inside the pocket.
- Close the pocket using the Velcro fasteners.
- Additionally secure the pocket and the power kit using the two outer Connector Straps.

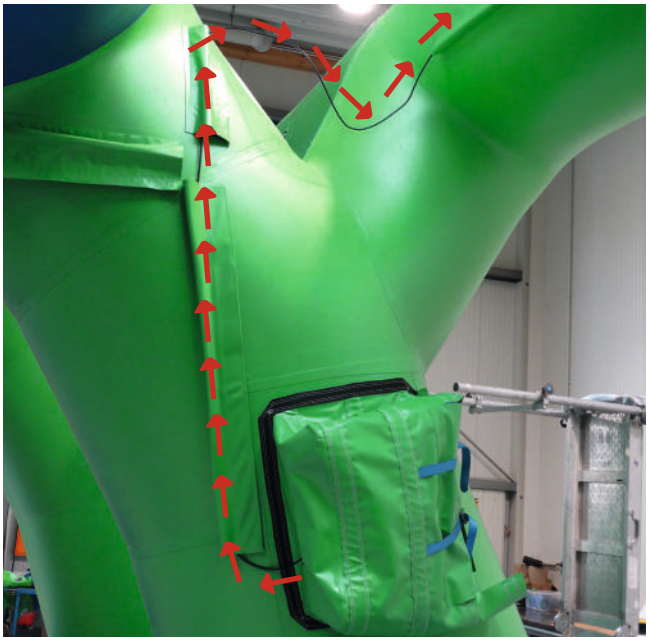


Solar Panel Wiring

- Ensure the wiring layout matches the reference photo:
  - Connect the cable with the green port to the connection of the MC4-extension cable.
  - Connect both ends of the extension cable with the eight shorter MC4-cables. Use as many as are required for the intended positioning.
- This should result in two male MC4 connectors and two female MC4 connectors.

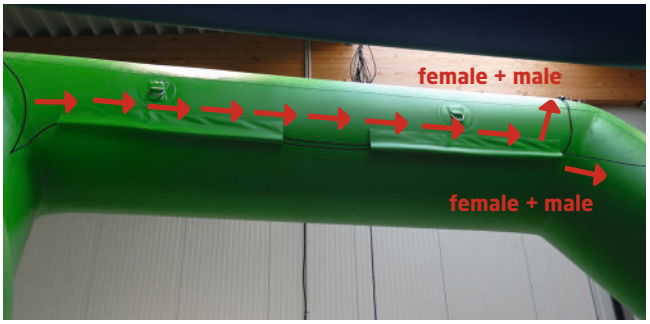
male connectors

female connectors



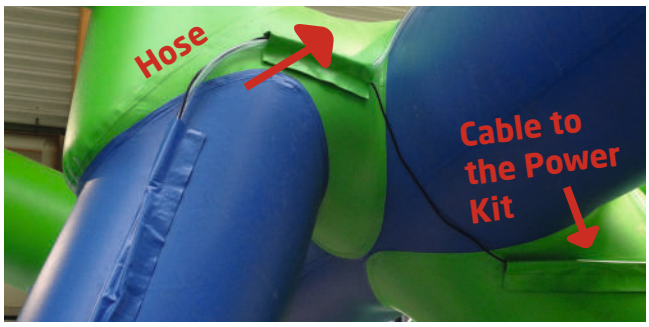
Solar Panel Cable Routing

- Connect the cable end with the green socket to the green connection port of the power kit.
- Route the cable along the Cover Flaps located at the top edge of the Frame element, as shown in the reference image.
  - Route the cable toward the corner where the solar panels will later be installed.
- Split the cable to prepare for connection to the solar panels so that each solar panel hat access to one male and one female MC4 connector.



Installation of the Solar Panels

- Position both panel holders so that their cables point toward the selected corner of the Frame.
- Secure each panel holder using four Connector Straps by attaching them to the Anchor Plates located at the upper area of either the Climb or Slide element (depending on the chosen placement).
- Connect the solar panel cables to the ones that have been routed upward from the power kit.



Installation of the Watering System (Hose & Pump)

This installation requires two people:

- Person A: positioned *under* the Wave platform
- Person B: positioned *on* the Wave platform

Preparation

- Person A takes the following components beneath the Wave:
  - The 6,5 m (21') watering hose
  - The pump cable with red plug, which is connected to the pump
- Person B takes the hose section with the water outlet holes up onto the slide platform.

Routing the Hose and Cable Upwards

- Person A routes the hose and pump cable side by side upward under the Cover Flap along the pillar of the Frame.
  - The pump remains on the ground.
- Working together, Person A and Person B guide the hose upward through the gap between the Climb and Slide.
- Route the cable downward through the Cover Flap leading toward the power kit.
  - Connect the red plug on the cable to the red port on the power kit.

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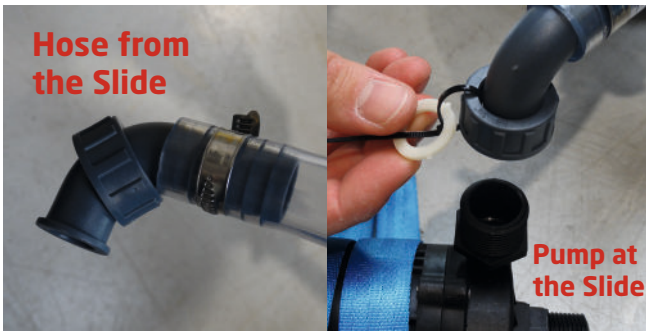
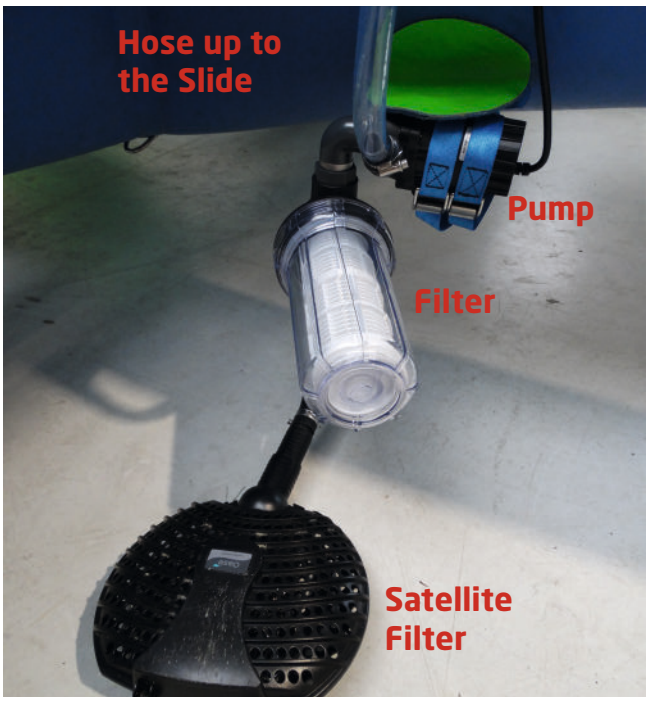
Connecting the Hose on the Slide

- Person B connects the irrigation hose, which has been guided through the gap, on the platform to the water outlet hose at the upper part of the slide surface..
  - On the slide surface of the Slide element, locate the Cover Flap with a mesh insert
- Place the water outlet hose inside the Cover Flap.
- Ensure the holes of the water outlet hose face toward the mesh insert.
- Close the Cover Flap in the center of the slide.
- Guide the hose around the corner and cover it with the Cover Flap.

Attachment of the Safety Flap

- Position the Safety Flap at the top of the Slide on the junction between Climb and Frame.
- Ensure the long green part of the flap points toward the back of the slide.
- Secure the yellow section of the flap on the Velcro surfaces on Climb and Slide.
- Drape the green sections over the edge and secure them firmly using the Velcro.





Pre installation of the Suction System

- If it is not inside, insert the anchor chain into the satellite filter and close the filter housing properly.
- Connect the black suction hose from the satellite filter to the white universal water filter.
  - Ensure the correct alignment ("In"):
- Ensure that all connections are securely tightened.
  - Do **not connect** the suction system to the pump yet.

Finalizing the Watering System

- Connect the loose end of the hose at the lower part of the slide to the pump positioned there.
- If needed, remove any existing cable ties.
- Insert the sealing ring into the water hose.
- Connect the hose securely to the pump.
  - Hold both parts firmly to ensure neither falls into the water.
- Connect the filter, which already has the suction system mounted, to the pump via the "Out" port.
- Submerge the pump and the suction system carefully and completely in the water until no air bubbles escape.
- Open and close the particle filter underwater to release any remaining trapped air.
- Secure the pump to the Anchor Plate with D-Ring located under the Frame using the Connector Straps to fasten it firmly.
- Turn on the power kit and the remote control.
- Test whether the pump operates correctly from land or from a boat (up to 70 m (230') distance).

Note:
The remote control is NOT waterproof and needs to be kept it dry at all times.

Anchoring – Wave

Anchoring the Wave

- Pull the Wave into the water with a boat and ropes to tow the Wave to its desired final position.
- We recommend using double anchors for secure anchoring.
- Connect two anchor blocks with a chain.
- Attach one bungee per double anchor to one of the two anchor blocks.
- Connect the bungees with the double anchors with the anchor plates on the bottom of the Wave according to the anchor plan.

The Power Kit

Important Notes

- The ambient temperatures must be between -20°C and +40°C and the environment must not be explosive
- The device must also not be operated in environments with particularly fine dust
- The device must never be placed in direct sunlight, especially for long periods of time.
- Uncontrolled overheating can cause serious damage to the batteries.
- The device may only be operated if all fixed protective devices are properly installed. This includes the housing itself, all correctly installed additional insulation for cables and wires, and the separate contact protection for electrical components inside.
- All components, including protective devices, must always be in perfect condition.
- Safety signs on the device must not be removed and must be replaced immediately by qualified personnel or appropriately trained external personnel if they are damaged or dirty.
- Protective devices must not be removed or disabled under any circumstances!

The remote control is not waterproof and must always be kept dry.

PLEASE USE THE ENCLOSED ZIP BAG FOR THE REMOTE CONTROL NEAR WATER.

In the case of a defective remote control, the entire energy case must be sent in.

Contact grease

- Maintain the metal connections on the case once a month with the supplied contact grease.

Dryback

- Place the Dryback in the suitcase to reduce moisture inside the suitcase.
- If the drop turns pink, heat the Dryback in the microwave for 6 minutes at 600 watts.
- If the drop turns blue again, put the Dryback back in the case.

The Power Kit

Charging

With the charger:

- The charger is the fastest way to charge the device.
- It is best for the battery if the device does not consume any energy during charging.
- The charger must only be used in a completely dry environment!
- The device must never be left unattended during charging!
- To prevent damage to the battery, the device should be discharged to approx. 10% at least once a month and then fully charged using the charger supplied!

Charger

With a solar cell:

- The device can also be charged with a solar cell.
- When setting up the solar cell, it is also essential to ensure that the surface of the solar cell is free of dust and dirt and that no shade falls on the solar cell, as even a very small shadow significantly reduces the solar yield.
- When using solar cells, the energy.case must not be placed in direct sunlight.
- The device must never be left unattended during charging!
- To avoid damage to the battery, the device should be discharged to approx. 10% at least once a month and then fully charged using the charger supplied!
- Cables connected for power consumption by external devices or for charging the device's batteries can cause tripping hazards. Care must be taken to ensure that they are laid safely!

Cables for the solar panels

The Power Kit

Control panel of the membrane keyboard

The device has various simple status and warning lights, see also the figure below, which provide information about the operating status during use. The following are explanations of the various displays and LEDs:

- **Battery Capacity:**
  shows the current battery level relative to 1500 Wh in percent

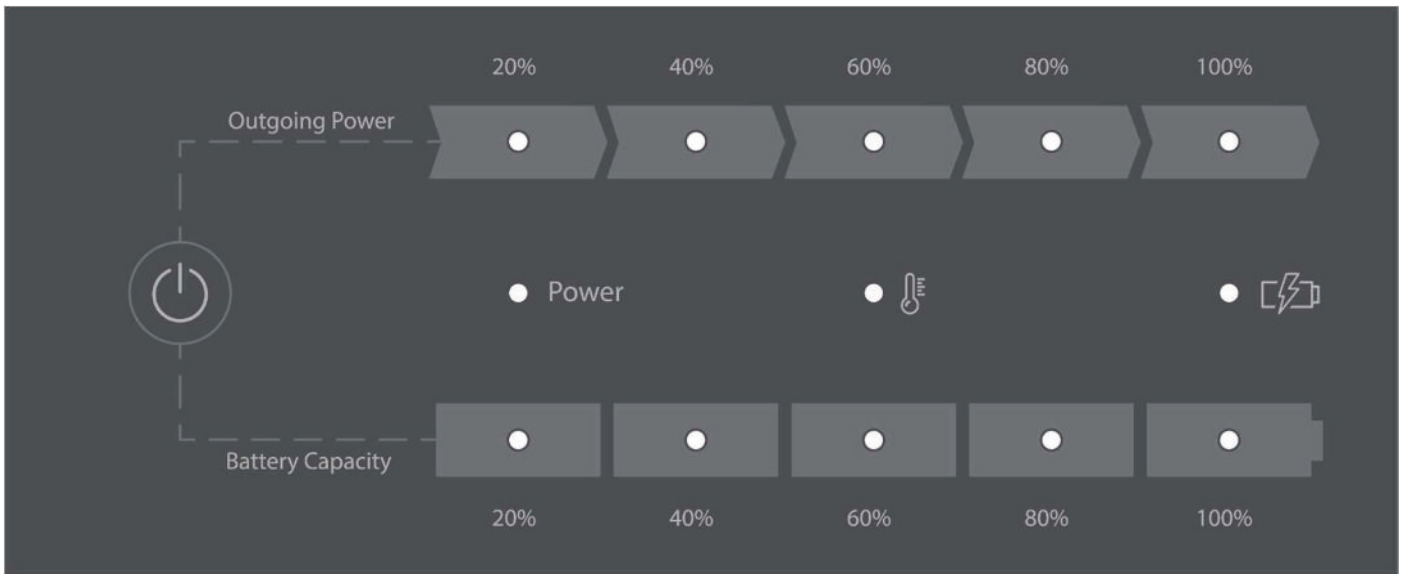
- **Outgoing Power:**
  Shows the system load in percent relative to the maximum power

Power:

- Entire system switched on and ready for operation

- **Temperature symbol:**
  Lights up when the temperature for operation or charging the device is too high

- **Battery flash:**
  lights up when the device is charging



The Power Kit

Remote Control

- The remote control can be charged in the power kit or on any USBC charging cable.
- If the remote control is connected to the USB port of the power kit, the remote control will start automatically when the power kit is switched on!
- The remote control can be switched on and off independently of the power kit using the red button on the side

ONE CLICK = ON
DOUBLE CLICK = OFF

- Regardless of how it is started, the connection screen is displayed after the remote control is switched on.
- While the remote control searches for the WLAN connection to the power kit, the WLAN symbol flashes blue.
- After a successful and secure connection to the power kit, the WLAN symbol and the text below it light up green

Not connected

connected

Due to software limitations, runtime cannot be displayed indefinitely! A display of 99:59h corresponds to the message „Runtime is unlimited due to the current energy supply."

Display

Once the connection to the power kit has been successfully established, the remote control displays the main screen.

The main screen shows:

- At the top, the charge level of the case battery is displayed.
- Under "Output", the current power consumption or current energy output is shown.
- Under "RC Battery", the charge level of the remote control battery is displayed.
- The power output of the case can be switched on or off by pressing the left button (above the green power symbol).
- By pressing the middle or right buttons, you switch to the second screen.

main screen

second screen

The second screen shows:

- The temperature of the case battery is shown in the top left.
- To the right of it are the icons for the different charging options. If a charging option is detected during operation, it lights up green and shows the current charging power below it (e.g. car, mains power, solar).
- Below this, the runtime and charging time information is displayed. The current remaining runtime and charging time are calculated in real time.

The Power Kit

Start of the device

Before each start-up, make sure that all safety requirements are met and that the device is in perfect condition. The connected consumers must also be checked for proper functioning and safe condition.

To start the device, briefly press the main switch on the control panel with sufficient pressure.
During operation, it is important to always keep an eye on the displays for the load and thecurrent battery level. After use, the device should always be switched off to save energy and ensure safety.

Storage of the device

- The device must always be fully charged before being stored and should be fully charged using the charger after six months at the latest.
- It should also be noted that the device may only be stored indoors and must always be securely locked during storage.
- All caps must also be placed on the connections.

- The device may only be stored within the temperature range specified in the technical data.
- For storage periods longer than one month, the maximum temperature must not exceed 30°C!

- The device must always be stored in a horizontal position!
- Storing the device upright may cause damage to the battery chemistry in the medium term!

Store lying down, not standing up!

- To avoid damage to the battery, the device should be discharged to approx. 10% at least once a month and then fully charged using the charger supplied!

The Power Kit

Malfunction or malfunction messages

The red LED in the center of the warning lights is lit continuously
The device is too hot to operate: Switch off the device using the main switch, disconnect it from all charging devices and connected consumers, and leave it to cool down in a cool place.

The red LED in the middle of the warning lights flashes
The device is too hot to charge: Switch off the device using the main switch, disconnect it from any charging devices and connected consumers, and allow it to cool down in a cool place.

The battery level drops very quickly
Charge the device completely and disconnect the charger at least 8 hours after the battery indicator shows 100%.

The device no longer emits any power
Charge the device completely and disconnect the charger at least 8 hours after the battery indicator shows 100%.

The device can no longer be charged
The device is too hot to operate: Switch off the device using the main switch, disconnect it from all charging devices and connected consumers, and leave it to cool down in a cool place or use a different charger.

The device has switched off after connecting or operating a consumer
Disconnect all connected devices from the device, switch it off, and restart it after at least 1 minute. If this does not work, the power requirement of the connected device is too high and it cannot be operated on the device.

The device has switched off during operation and an acoustic signal sounds repeatedly in the form of a sequence of five tones.
The device's inverter is overheated and has shut down. Switch off the device and allow it to cool down..

The remote control does not connect and the blue Wi-Fi symbol is permanently displayed
While the energy.case is switched on (!), switch off the remote control by double-clicking the red button on the side and switch it back on after five seconds by clicking the red button on the side once.

The pump starts for 15 seconds and then switches off again. The process repeats.
Dry-run protection is active, remove air from the hose system.

The pump hums for 3 seconds but does not pump any water.
Blockage protection is active, check the pump for foreign objects.

A complaint about the suitcase, including the remote control, is only possible in the original shipping packaging. Please keep the box clean and dry.

Let's talk!
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