2025

SOLMATE®

WELCOME TO THE SOL**MATE® FAMILY!**

Dear Solar Pioneer! We are thrilled that you've chosen Sol**Mate®!**

To make the setup process as quick and easy as possible for you, we'll guide you through the best way to install your Sol**Mate®.** First, check if all packages have arrived. This includes Sol**Mate®**, a box with accessories, and optionally panels and mounting materials.

Everything there? **Great, let's get started!**

If you have any questions or concerns, you can reach us at any time:

support@eet .energy

CONTENT

Here you'll find everything you need to know about installing your new Sol**Mate®** at a glance.

wifi key:
To connect to Sol**Mate®**'s Wi-Fi (via onboarding or locally)

userpw:
To register Sol**Mate®** in the app and establish a connection to the server

Place Sticker Here

GENERAL **INFORMATION**

This manual applies to the Sol**Mate®** system by EET. It describes the installation and operation of the SolMate® photovoltaic system for grid-parallel operation, designed for household use. It must be read carefully before use and kept accessible throughout the product's lifetime.

The CE marking indicates that the product meets the applicable requirements for an installation location up to an altitude of 2000 meters, as specified in the EU harmonization regulations.

The national, European, and international guidelines and regulations applicable at the installation site must be observed. These can be obtained from the local electricity provider. Any reporting obligations to the electricity provider must be fulfilled before commissioning.
Self-installation of the Sol**Mate®** unit is permitted if the necessary safety requirements for the electrical house installation are met (see Safety Instructions). Assessing whether these requirements are fulfilled requires technical expertise in electrical systems and must therefore only be carried out by a qualified and authorized electrician.

Standards for power generation devices like Sol**Mate®** require a dedicated feed-in plug that prevents contact with the plug terminals. The grid inverter used in Sol**Mate®** includes grid and system protection, which also ensures that no hazardous touch voltage can be present on the plug terminals.

This is a type-tested protective device with a certificate of conformity that continuously monitors the grid's voltage and frequency to ensure they remain within the specified tolerances. In the event of a fault or when the plug is disconnected, two series-connected isolation switches (redundant design) reliably shut off the system in a very short time.
From a safety perspective, there is no issue with using a standard Schutzkontakt plug to feed electricity into the public grid with Sol**Mate®**. However, if your grid operator requires the use of a dedicated feed-in plug, this is available in our webshop.

The installation and handling of your Sol**Mate®** system are beyond the control of EET – Efficient Energy Technology GmbH. Therefore, EET cannot assume responsibility for any damages, losses, or costs resulting from improper installation, incorrect handling of the product, or misuse.

The storage unit is designed for outdoor use and is splash-proof on all sides; however, it must only be installed in a sheltered outdoor area. Proper and safe operation of the device requires correct transport, storage, installation, assembly, and careful handling. We do not accept liability for damages resulting from failure to follow these instructions.

Type plates are attached to the back of your Sol**Mate®** and the panels. These plates display technical specifications as well as article and serial numbers. Do not remove these type plates, as doing so will void any warranty and guarantee claims.

SAFETY **INSTRUCTIONS**

Requirements for the Home Installation at the SolMate® Operating Location:
- Ensure that only one SolMate® is operated per phase in the household!
- The rated current of the circuit breaker for the circuit where SolMate® is operated must not exceed B 16 A. For older systems, a reduction to B 13 A and an inspection of the respective circuit by a qualified electrician are recommended.
- A functioning RCD with IΔn ≤ 30 mA must be installed.

It is the responsibility of the Sol**Mate®** operator to ensure that all components are securely weatherproofed and weighted down to prevent any personal injury or property damage.

SolMate® is a Class I protection device, meaning its metal housing is connected to the protective conductor. During grid operation (grid mode), the grid voltage is passed through to the device socket. In island mode, this electrical connection is disconnected. Instead, the device socket provides a galvanically isolated, ground-isolated voltage that allows energy to be drawn from the battery (maximum 1000 W with pure sine wave output). For safety reasons, only one Class I device (with a metal housing) may be operated at this socket at a time in island mode. However, multiple Class II devices can be connected simultaneously.

Lightning Protection
Sol**Mate®** must be operated within the protection zone of a building equipped with an existing lightning protection system, and the required separation distance (see EN 62305 or VDE 0185-305) must be observed. This means Sol**Mate®** and its components (including cables) must be positioned with sufficient distance from lightning rods, rainwater downpipes, and other grounded metal parts. Additional lightning protection measures depend on the specific local and structural conditions and can be determined by experts in lightning protection (usually qualified electricians possess this expertise). If Sol**Mate®** and its components are operated within the protection zone with sufficient separation distance, no further lightning protection measures are necessary. If no building lightning protection is available, ensure that Sol**Mate®** and its components (including cables) are not positioned on exposed parts of the building. The distance of all Sol**Mate®** components from the ground should be kept as small as possible, and cable lengths should be minimized. If the cable length exceeds 10 meters, an SPD (Surge Protection Device) of Class 1 must be installed at the point where the electrical cable enters the building. A local qualified electrician can provide advice and assistance in this regard.

Sol**Mate®** should be subjected to periodic visual inspections and after extreme weather conditions. Check that the cables, connections, and the system itself are undamaged. If any component is damaged, Sol**Mate®** must be immediately taken out of operation.
To do this, unplug SolMate® from the power grid, disconnect all system connections, and turn off SolMate® (see “TURNING SOL**MATE®** ON AND OFF” on p.17). Arrange for proper repair by a qualified professional.

- Do not disassemble the device or its cover, or pierce it with sharp objects, as it contains live components.
- Do not use the product near heat sources such as open flames or heating devices.
- Protect the product from liquids. Do not submerge it in water and keep it dry.
- Keep the product away from environments with strong static electricity or magnetic fields.
- Avoid using wires or other metal objects that could cause a short circuit.
- Use only original components or accessories. For replacement components or accessories, visit EET's official channels.
- Observe the ambient temperature specified in this manual. Excessively high temperatures cause fire or explosion, while very low temperatures can reduce performance or cause malfunctions.
- Do not place heavy objects on the device.
- Avoid impacts, falls, and strong vibrations. In case of severe impacts, turn off the device immediately and stop using it. Secure the product well during transport to prevent vibrations and shocks.
- If the product falls into water, place it in a safe, open area, allow it to dry completely, and do not use it again. Dispose of the dried product properly.
- Clean dirt from the product's connectors with a dry cloth.
- Place the device on a level surface to prevent damage from tipping over. If the product tips over and sustains significant damage, turn it off immediately, place the battery in an open area away from flammable materials and people, and dispose of it according to local regulations.
- Keep the product out of reach of children and pets.
- Store the product in a well-ventilated area.
- Do not use this product to power life-critical medical devices such as CPAP machines or ECMO ventilators. When powering general medical devices, monitor power consumption and ensure sufficient power is available.
- Power supply devices generate electromagnetic fields that may interfere with medical implants. Consult the manufacturer of medical devices regarding restrictions and ensure a sufficient safety distance is maintained.
- Always disconnect the device from the power grid before performing maintenance or cleaning.
- Do not use the product if it shows visible damage, such as cracks or broken parts.
- Avoid covering the product during use to prevent overheating.
- Protect the product from direct sunlight to avoid overheating and damage.
- Do not operate the device in explosive environments, such as near flammable liquids, gases, or dust.
- Ensure no liquids enter the device's connectors or interior.
- Keep the device clean and free of dust and dirt to ensure proper functionality.
- Store the device in its original packaging when not in use for extended periods to protect it from dust and moisture (see "CARE AND MAINTENANCE" on p.8).

- Use the product only in well-ventilated areas to prevent overheating.
- Regularly check connections and cables for wear or damage and replace them if necessary.
- Ensure all plugs are securely seated in the sockets to avoid loose connections.
- Do not use extension cords that are not rated for the power consumption of the device.
- Avoid storing the device in extremely cold or hot environments to prevent damage to internal components.
- Turn off the device when not in use to save energy and extend its lifespan (see “CARE AND MAINTENANCE” on p.8).
- Allow the device to cool down after use before cleaning or storing it.
- Avoid using or charging the device during thunderstorms to minimize the risk of electric shock.
- Read and follow all instructions and warnings in the user manual to ensure safe and effective use of the product.
- Immediately turn off the device and disconnect it from the power supply if unusual noises, smells, or smoke occur.
- Do not operate the device in high-humidity environments, such as bathrooms or saunas, to avoid electrical short circuits.

As with any other electrical device, ensure that individuals (including children) with limited physical, sensory, or mental capabilities, or those lacking experience, do not suffer harm by handling cables, plugs, or the device itself. Keep this group of people away from the photovoltaic system or supervise them adequately to prevent accidents.
Under no circumstances should you tamper with or modify the device. There are no internal parts requiring maintenance. Disconnect all cables (AC and DC) before moving the device. Ensure cables are routed safely to prevent damage and avoid tripping hazards.
In the event of a fire, use a CO extinguisher or a sufficient amount of sand to extinguish it.

CARE **AND MAINTENANCE**

Operation generally does not require any special maintenance. However, to maintain the maximum efficiency of your Sol**Mate®**, you should clean the panels from time to time using water (and, if necessary, a soft cloth or a soft brush).

Avoid using aggressive cleaning agents. Cleaning ensures that all available sunlight is optimally utilized for you.

If Sol**Mate®** is not used for an extended period, it must be turned off (see "TURNING SOL**MATE®** ON AND OFF" on page 17). However, make sure to charge the battery every 3 months to prevent unavoidable deep discharge.

DISPOSAL AND **RECYCLING**

FThe same guidelines apply to dismantling as to the installation of the system. If disassembly and/or return is necessary, it may only be carried out using the original packaging and under the instructions of EET personnel.

We would like to emphasize that this product must not be disposed of with regular household waste. Improper disposal can lead to environmental harm. Battery recycling, in particular, poses a significant challenge for the future.
To ensure the best possible recycling process, we have committed to working with a local recycling company to properly recycle the batteries. Please contact us if your Sol**Mate®** battery ever experiences issues or reaches the end of its lifespan.

Battery Disposal:
- Fully discharge the battery before sending it for recycling. Do not dispose of the product in regular waste, as it may contain hazardous chemicals. Follow local recycling regulations.
- If the battery cannot be fully discharged due to a malfunction, contact a professional recycling company.
- Dispose of deeply discharged batteries that can no longer be recharged.

Environmental sustainability is our top priority, which is why we strive to repair or recycle every Sol**Mate®** as much as possible if it ever stops functioning. If your system has reached the end of its lifespan and you're unsure how to dispose of the panels, please contact us.

Since photovoltaic panels are classified as commercial waste in Austria, you will need a declaration of exemption when disposing of them. We are happy to provide this document free of charge—simply get in touch with us.

In Germany, you can drop off the panels at designated collection points without additional paperwork.

Of course, the RoHS directive (Restriction of Hazardous Substances) has been fully complied with.

PRODUCT **WARRANTY**

WARRANTY CONDITIONS

Sol**Mate®** comes with a 2-year warranty. Additional product and performance warranties apply to individual components and are guaranteed by the respective manufacturer.

These are currently as follows:

- **Warranty**: 2 years (free service or, if necessary, replacement of components, including transport costs).
- **Performance Warranty:** 25 years on the photovoltaic panel. This warranty must be claimed directly with the manufacturer under their warranty terms. For more information about the panels, visit **www.eet.energy/en/documents.**
- Product Warranty: 15 years on power electronics (inverter). This warranty must be claimed directly with the manufacturer under their warranty terms.

The warranty is valid from the delivery date, while the voluntary product and performance warranty starts from the invoice date.

THE WARRANTY DOES NOT APPLY

- in cases of improper installation or mishandling of the components.
- in case of deep discharge of the battery if the storage unit has not been used for an extended period and was not properly shut down beforehand (see "CARE AND MAINTENANCE" on p.6).
- in case of damage or modification by the customer or third parties (accident, transport, etc.)
- in case of damage due to natural events (fire, flooding, etc.)
- in case of non-compliance with safety and warning instructions, operating errors, improper use, or excessive strain.
- in case of improper use (e.g., use of unsuitable photovoltaic panels, reverse polarity, overvoltage damage).
- if SolMate® is opened without authorization from EET.


EET

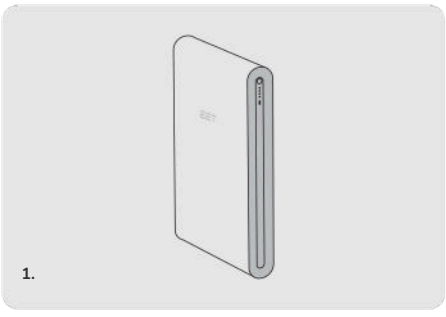
THIS IS SOL**MATE®**

The first plug-in photovoltaic and storage system for self-installation. Sol**Mate®** consists of a storage unit and bifacial standard panels that you can install at home using various accessories.

PACKAGE CONTENTS: SOL**MATE® , PANELS & ACCESSORIES**

After unpacking your SolMate®, please check whether all the components listed here (depending on the mounting accessories) have been delivered complete and undamaged.
To quickly and easily generate your own green electricity, you will need:

1. Sol**Mate®** storage unit
2. 2-4 bifacial panels (+ optional mounting material)
3. Mounting material (optional)
  3.1 Wall mount and stand base
  3.2 Allen key and screws
4. Power cable (Schutzkontakt plug)
5. PV connection cable (XT60 to MC4 Y-adapter (2 to 1)
6. Cable holder, screw, Allen key, and stand feet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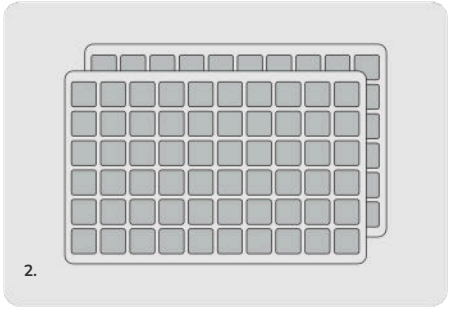
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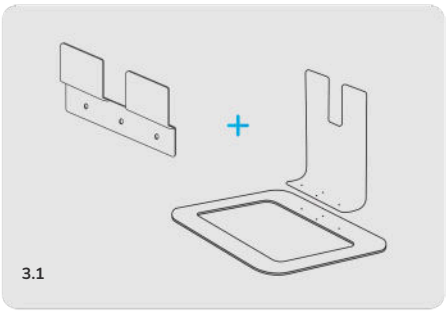
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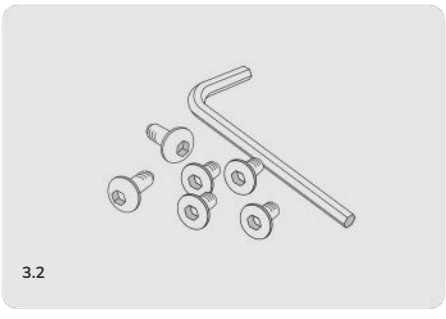
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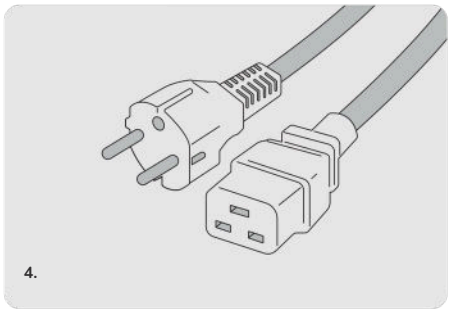
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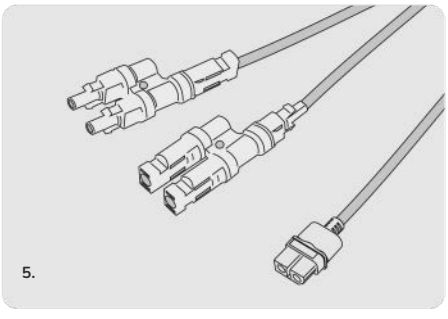
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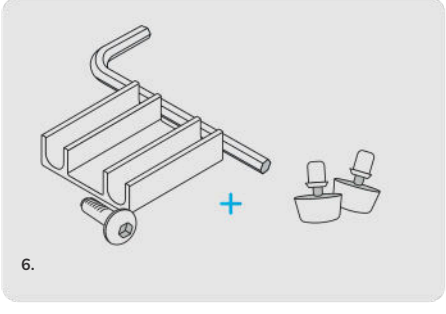

6.

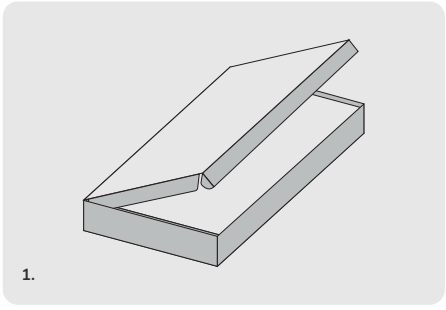
NO**TE**

If you have purchased mounting accessories for SolMate®, the screws from image 3.2 are packaged together with the accessories from image 6.


SOLMATE
INSIDE

UNPACKING & MOUNTING **THE STORAGE UNIT**

1. Open the packaging.
2. Now you can mount the cable holder on the back of your SolMate®. You can leave the storage unit in the opened packaging for this step.
3. Now insert the small stand feet into the bottom of the storage unit.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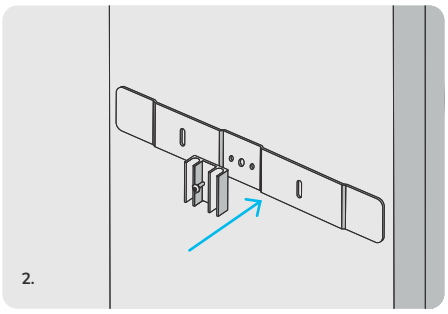
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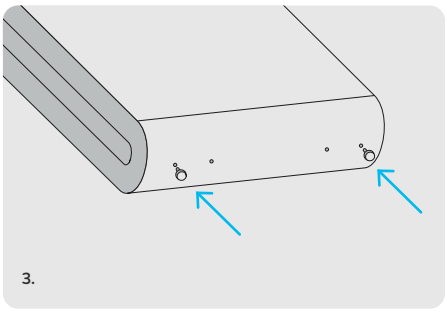

3.

There are various options for positioning and mounting the storage unit. It can be either mounted on the house wall or placed using a stand base.

Caution: If you choose to mount or position the device on the wall, first connect the cables (power cable and PV connection cable) to SolMate® and secure them in the cable guide on the back of the device.

1.

Wall-Mounted Installation

Sol**Mate®** can be mounted on your house wall by simply hanging the storage unit onto the upper mounting bracket. The wall bracket is secured with two long, sturdy screws, each of which should be able to support at least 30 kg of weight.*

2.

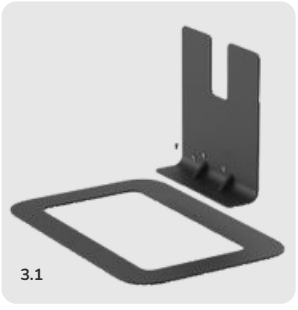
Standing Wall Mount

The device is mounted standing on the floor against the wall and supports itself. The mounting bracket on the wall prevents it from tipping forward.

3.

Wall Stand Base

SolMate® can also be positioned flush against the wall without drilling or adhesive. The stand base prevents it from tipping forward.
To install, attach the upper part of the stand base to the metal frame with the long side facing outward (see Fig. 3.1). Then, secure the stand base to SolMate® using two screws.

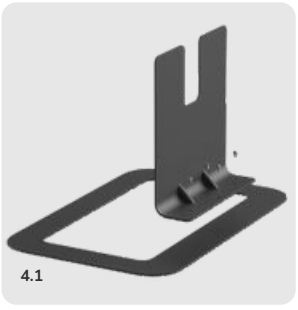


3.1

4.

Freestanding Stand Base

With the stand base, SolMate® can also be placed freely in the room, standing independently wherever you find a suitable and protected location.
To install, attach the upper part of the stand base to the metal frame with the long side facing inward (see Fig. 4.1). Then, secure SolMate® to the stand base using two screws.
Please ensure that the cables run through the designated holder and then pass outside the stand base.



4.1

*Screws not included in the delivery.

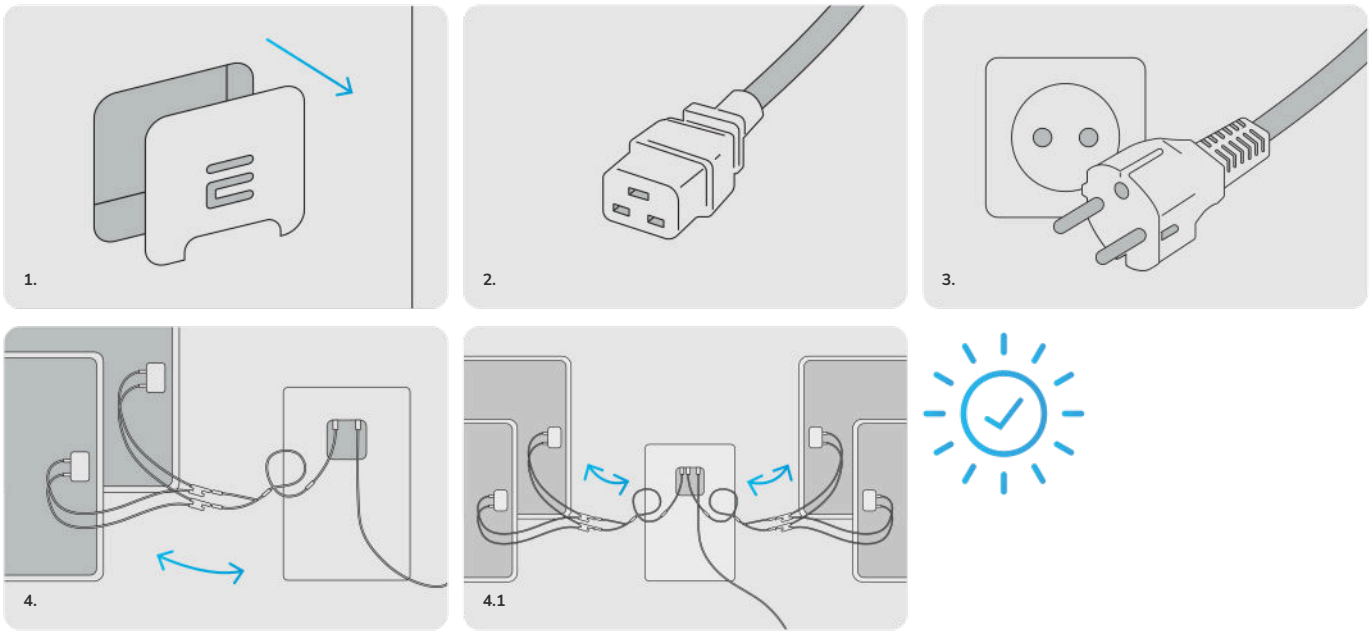
COMMIS**SIONING**

Note
Before connecting your panels to Sol**Mate®**, please check the open circuit voltage (OCV). You can find this value on the nameplate on the back of your panels. Depending on the open circuit voltage, select the appropriate commissioning guide.

CONNECTING STANDARD PANELS AND SOL**MATE®**

Guide for Panels with an Open Circuit Voltage of More than 22V / max. 44V

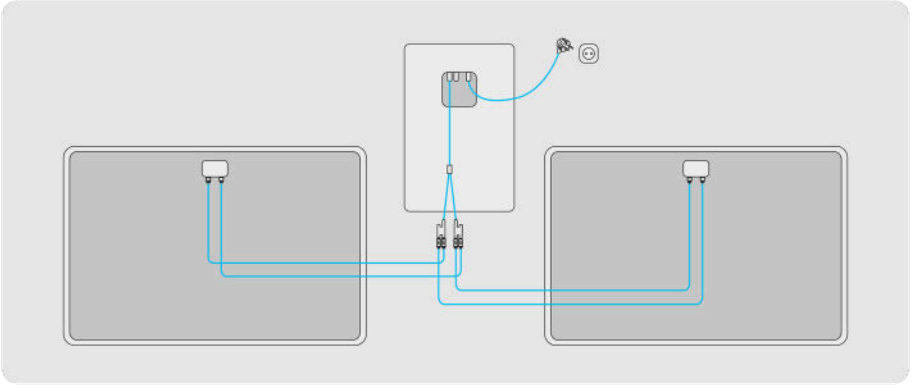
1. Remove the magnetic cover of the connection box (on the back of the storage unit).
2. Now connect one end of the power cable to SolMate®.
3. Plug the other end into a power outlet (protective contact).
4. Then connect the storage unit and the panels using the PV connection cable with the attached MC4 Y-adapter (2-to-1) for parallel wiring. (Using the second PV input, you can connect up to two additional panels with an extra connection cable (see Fig. 4.1).)



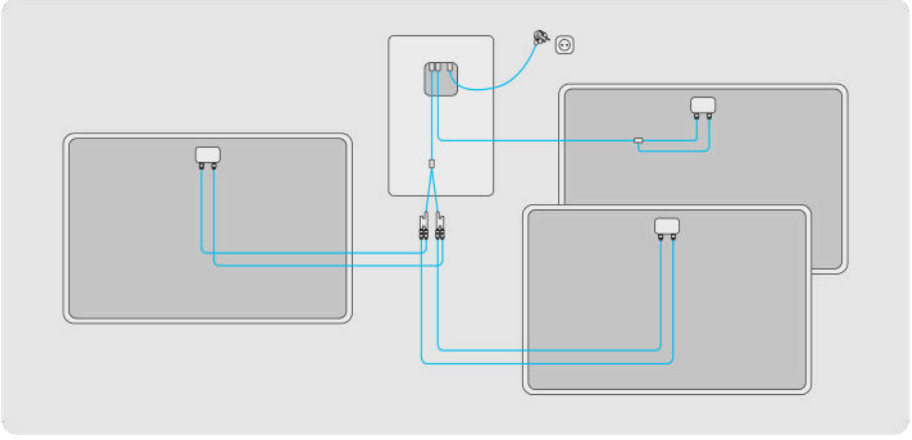
Note
If you are connecting your own panels, please ensure that the input voltage does not exceed 44V and that you connect them in parallel only, not in series.

*Guide for Panels with an Open Circuit Voltage of more than 22V and max. 44V

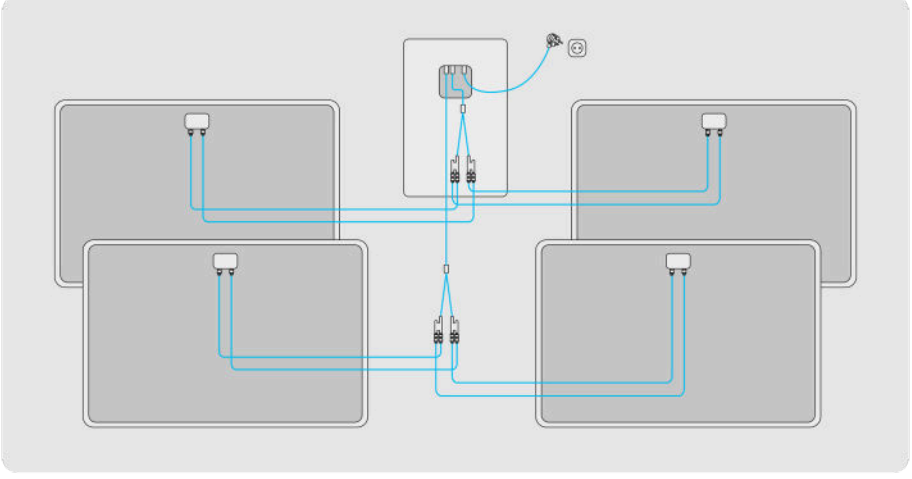
OVERVIEW OF **WIRING OPTIONS (STANDARD PANELS / OCV > 22V)**



Option 1
- 2 panels
- 1x connection cable from Sol**Mate®** to PV panels (XT60 to MC4)
- 1x MC4 Y-adapter (2-to-1)



Option 2
- 3 panels
- 2x connection cables from Sol**Mate®** to PV panels (XT60 to MC4)
- 1x MC4 Y-adapter (2-to-1)



Option 3
- 4 panels
- 2x connection cables from Sol**Mate®** to PV panels (XT60 to MC4)
- 2x MC4 Y-adapter (2 to 1)


EET

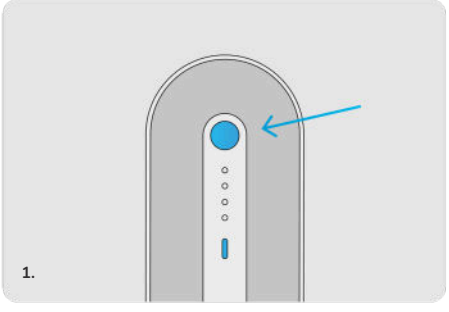

EET

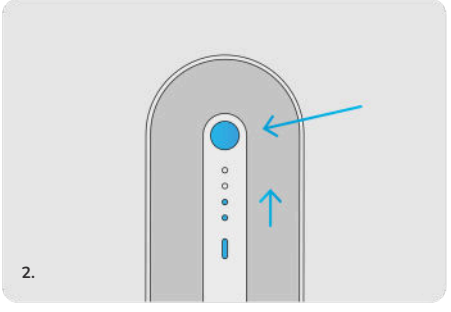

PV 1
PV 2
USB-C
AC
SOLMATE
Model S2
Designed and assembled in Austria
EET - Efficient Energy Technology GmbH
DC Input max. 64V, max. 20A
AC Input/Output 220 – 240V, 50 Hz

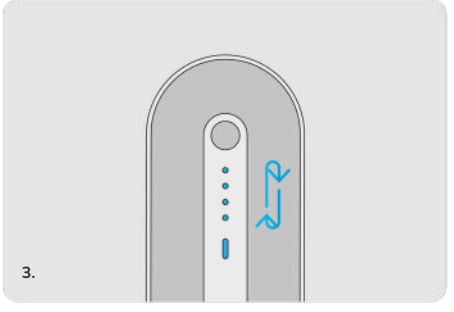
TURNING SOL**MATE® ON AND OFF**

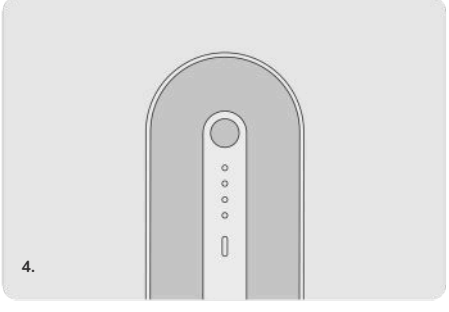
If Sol**Mate®** is not used for an extended period (the system is turned off or not charged/discharged for several days), the battery enters deep sleep mode. This preserves the battery charge so it can be used when the system is next operated. Sol**Mate®** is delivered to you in this state.
To wake the battery from deep sleep mode, connect your system to the panels or the power grid. After that, you can turn on Sol**Mate®** as described below:

1. Press and hold the button (after two seconds, the elongated LED will start glowing turquoise).
2. Keep holding the button until all four LEDs light up one after another. (The power-on or shutdown process will be canceled if the button is not held long enough.)
3. The LED startup or shutdown animation will then begin.
4. Once the animation stops, no LEDs will be lit, indicating that SolMate® has been turned on or off.









HOW DO I KNOW IF SOL**MATE®** IS TURNED ON?

To check whether Sol**Mate®** is turned on or off, briefly press the button and observe the status LED. If the status LED lights up, Sol**Mate®** is operating. If it does not light up, the system is turned off.

TECHNICAL **DATA**

STORAGE **UNIT DATA**

Capacity	1.44 kWh
Cell Chemistry	LiFePO4
Battery Nominal Voltage	48 V
Lifetime	>80% capacity after 4000 cycles
Charging/Discharging Temperature	-20 to 50 °C
Optimal Operating Temperature	5 to 30 °C
Dimensions (H x W x D)	730x498x100 mm
Weight	28 kg

AC **DATA**

Power (Grid Operation)	800 W
Power (Island Operation)	~230 V +/-10% 50 Hz 1000 W
Power (Island Operation) S-Power*	2000 W Max.
Schutzkontakt Socket	~230 V 16 A

Total PV Panel Power
PV Input 1
PV Input 2
USB-C Output

CE **STORAGE UNIT**

IEC EN 62477-1: 2012 +A11:2015 +A12:2021
IEC 62109-1:2010
IEC 62109-2:2011
IEC 62133-2:2018
UN 38.3 (Ed.7.0): 2021
VDE-AR-N 4105:2018-11
DIN VDE V 0124-100:2020-06
TOR TYP A:2019-08 / R25:2020-03
EN 50549-1:2019 +AC :2019
CEI 0-21:2019-04

SETTING UP SOL**MATE®**

SELECTING GRID OR ISLAND OPERATION

Use the side rotary switch to select the operating mode. When the switch is set to 12 o'clock (pointing upwards), the system is in grid operation mode. If it is set to 3 o'clock, Sol**Mate®** runs in island mode. At 1:30 o'clock, the device is in standby mode. Sol**Mate®** can be switched from grid to island operation at any time as needed—this toggles between the two built-in inverters (grid and island inverters).

On-Grid Mode

GRID OPERATION (ON-GRID MODE)

If the rotary switch points upwards to the house symbol, the system is in grid operation mode. The intelligent measurement technology detects household power consumption and supplies the generated electricity as needed. Sol**Mate®** has an integrated socket that can also be used for direct access to the regular household power grid during grid operation.

Note
SolMate®'s measurement technology continuously learns during operation and adjusts the feed-in behavior to ensure that only the electricity actually needed is supplied. This is an ongoing process and may take several days to weeks after the initial setup to fully adapt to your household's consumption patterns.

Off-Grid Mode

ISLAND OPERATION (OFF-GRID MODE)

If the rotary switch points to the right at the Sol**Mate®** symbol, Sol**Mate®** is in island operation mode. In this mode, the storage unit is electrically disconnected from the household grid. Power can now be drawn from the socket supplied by the island inverter of Sol**Mate®**. Only one device of protection class I (device with a metal housing) may be connected to the device socket at a time, while multiple protection class II devices can be used simultaneously. With additional safety measures (grounding, RCD), an autonomous power network for multiple consumers could even be established. In this mode, Sol**Mate®** can power devices up to 1000 watts (2000-watt peak power for 0.5 seconds). The island inverter of Sol**Mate®** generates a pure sine wave power signal, allowing most devices to operate without issues. Note that in island mode, only devices with a maximum power of 1000 W may be connected to the built-in device socket. Island operation is intended to supply essential consumers directly in the event of a power outage.

Standby Mode

STANDBY MODE

If the rotary switch is set between the two symbols (at 1:30 o'clock), Sol**Mate®** is in standby mode. In this mode, the storage unit is electrically disconnected from both the household grid and the island inverter. Sol**Mate®** remains online and can charge itself via the panels.

TURNING ON STATUS DISPLAY

After powering on and selecting the operating mode, you can check the device status via the status display. To do this, press the round button on the upper right side of the device, and the LEDs will light up.

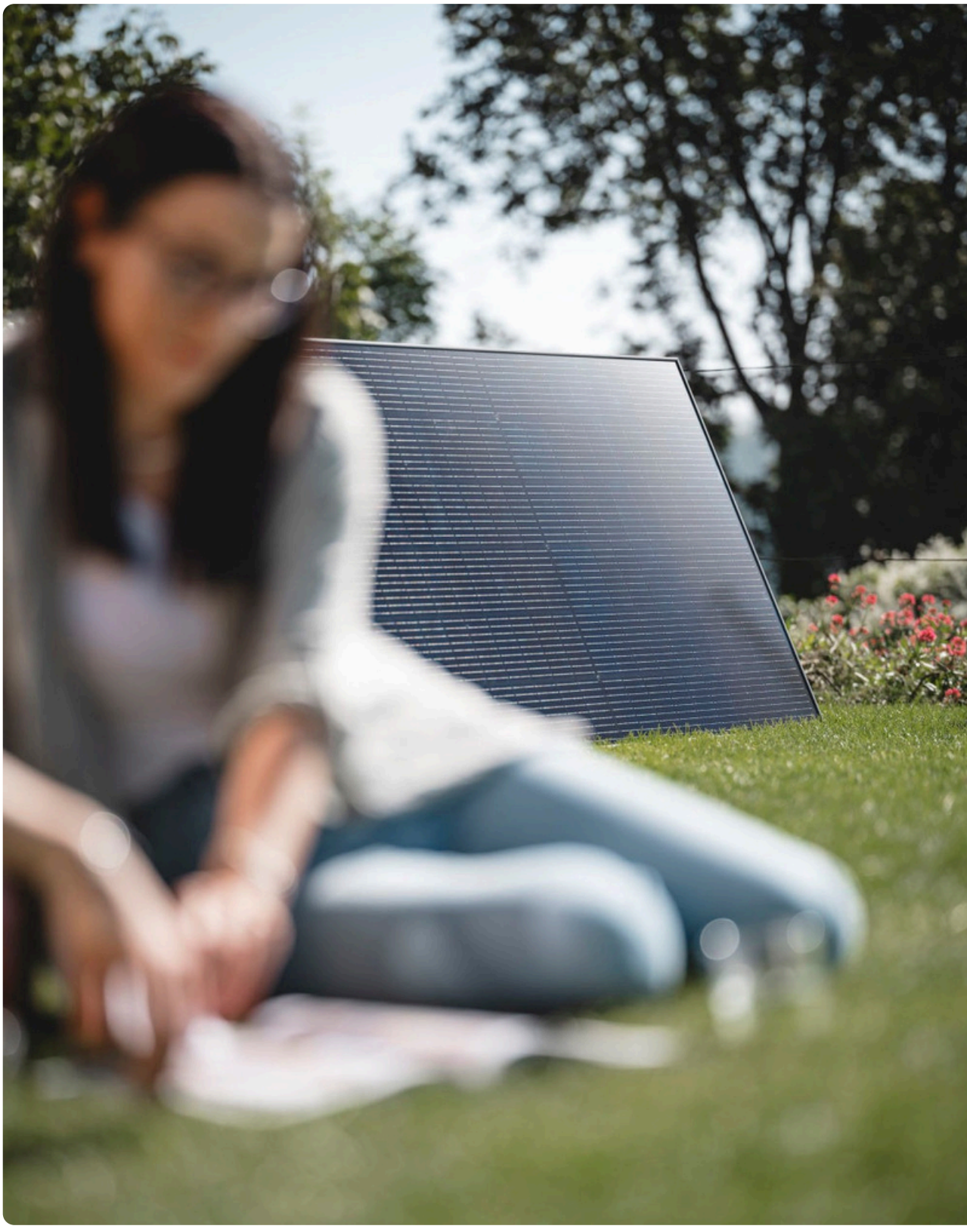
1. Briefly press the round button
2. LEDs light up

DEVICE STATUS

Pressing the round button on the side of the storage unit once lights up the status LED in blue, and the round LEDs indicate the battery's charge level. Pressing it again turns the status LED yellow, showing how much energy is currently being produced by your PV modules. A third press turns the LED green, displaying either the amount of power fed into the household grid (in grid mode) or the power provided by the island inverter (in island mode).

If the status LED lights up red, please contact our support team, as this indicates that Sol**Mate®** is in an error state. But don't worry—most issues can be resolved remotely.

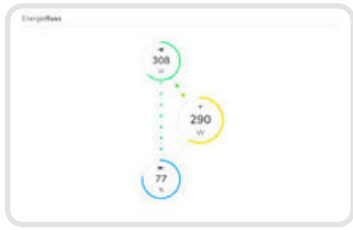
Note
During the initial startup or after prolonged inactivity, the battery level of Sol**Mate®** needs to be calibrated before it is displayed correctly. This process runs automatically in the background but may take a few days to complete.



THE **MYSOLMATE-APP**

To allow you to monitor and control Sol**Mate®** anytime, anywhere, we developed the MySolMate app. The app lets you customize and configure SolMate® to suit your needs. It shows you real-time data on how much power your panels are generating, how much solar energy is being fed into your household, and even allows you to set a minimum battery level.
And the best part? The app is quick and easy to set up. Find out more about its features here:

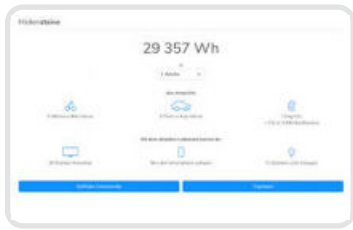
Under **Energy Flow,** you can see how much power your panels are currently generating, your battery charge level, and how much energy Sol**Mate®** is feeding into your household. You can rearrange the three data circles by clicking on them, and the flow direction is visually represented by an animation.



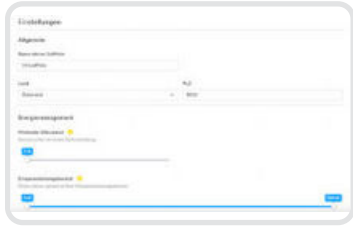
In the **Performance** section, you can view historical data of your power usage. You can analyze generation, charge level, or feed-in separately over a selected time period or display multiple performance curves in one chart. By clicking the calendar icon under the performance display, you can select a specific time frame to review Sol**Mate®**'s performance.

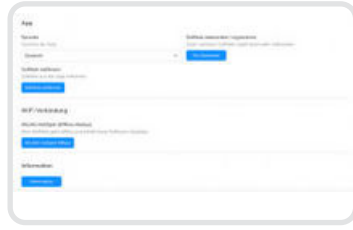
The **Milestones** section gives you an overview of what Sol**Mate®** has achieved so far, visualizing the generated watt-hours with practical examples—such as how many kilometers you could ride an e-bike with the produced electricity.

In the **SolMate Community** tab, you can see the total energy production of all internet-connected Sol**Mates**, while the Trophies section shows how many full charge cycles your storage unit has completed.



In the **Settings**, you can personalize Sol**Mate®** by assigning a name, entering your country and postal code, and adjusting energy management settings. You can define the minimum charge level of your battery and set a limit for how much power Sol**Mate®** should feed into the grid. If you own multiple Sol**Mates**, you can add them under the App subsection.





By tapping the small blue lightning bolt, you activate the **Injection Booster**, which increases the feed-in power to 500W within seconds—useful when starting high-energy activities like cooking or vacuuming.

MYSOLMATE APP INSTALLATION

1. Download the MySolMate app from the Google Play Store or App Store, or use the web app at **mysolmate.eet.energy**
2. Open the app and connect your device (e.g., smartphone, tablet, or laptop) to Sol**Mate®**'s network, named "Sol**Mate** [+ Serial Number]".

ONBOARDING

Click on "**SolMate Onboarding**" on the start page. If all requirements are met, click "Next" and search for the Wi-Fi network created by Sol**Mate®**, named "**SolMate [+Serial Number]".**

The app will guide you through the configuration process, first connecting Sol**Mate®** to your own Wi-Fi network to enable online access. Your Wi-Fi must be secured with a password (WPA2 encryption), and the router should be within 10 meters of Sol**Mate®**. Next, you can register SolMate® in the app using the serial number and user password of your storage unit. Once set up, you can monitor the current status from anywhere via your smartphone, tablet, or PC and adjust Sol**Mate®**'s settings.

If you encounter any issues during onboarding, you can watch the latest onboarding video at **www.eet.energy/en/installation**. If you still have questions, feel free to contact us at **info@eet.energy**, and we'll be happy to help.

The onboarding process and Sol**Mate®** registration only need to be completed once. You won't be logged out if your Wi-Fi temporarily disconnects. However, if your Wi-Fi is down, Sol**Mate®** will be offline, and live data will be unavailable until the connection is restored.

If you don't have a Wi-Fi network—such as when using Sol**Mate®** in a remote cabin—you can run it in offline mode. To do this, connect your smartphone or PC/laptop to Sol**Mate®**'s Wi-Fi network "**SolMate [+Serial Number]**". Enter the password found inside the magnetic cover on the back of SolMate®. Once connected, open any web browser (e.g., Mozilla Firefox, Google Chrome, or Safari) and enter 192.168.4.1 in the address bar. This will open a web interface where you can view and configure Sol**Mate®**'s current status.

Whenever possible, we strongly recommend keeping Sol**Mate®** connected to the internet to receive future software updates and optimizations.

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GOOD **TO KNOW**

Since the software of SolMate® and the MySolMate app is continuously updated, you can find the complete and latest version of our most frequently asked questions in the HELPDESK section. If you encounter any issues during installation, commissioning, or later use, please check our HELPDESK section on the website.

HELPDESK

Here are answers to some of the most common questions about SolMate®:

What should I do if I don't use SolMate® for an extended period?
You can find this information in the third paragraph under "MAINTENANCE AND CARE" on page 6.

Can I use SolMate® as an emergency power supply?
Sol**Mate®** has a built-in socket that can be used in case of a blackout. If your household power fails, you can use it to keep essential devices running.

Can the storage unit be placed outside in wind, rain, snow, ice, or thunderstorms?
The housing is designed for protected outdoor use. If possible, we recommend placing the storage unit under a canopy or roofed area.

Does storing the unit outdoors in summer and winter affect battery lifespan?
Unlike lithium-cobalt batteries found in smartphones, the lithium-iron-phosphate (LiFePO4) batteries used in Sol**Mate®** are extremely durable and temperature-resistant. This ensures a long lifespan even in outdoor conditions. However, for optimal performance and longevity, the battery operates best at 20°C.

If the power goes out in my home, does SolMate® continue feeding electricity into the grid?
No! For safety reasons, Sol**Mate®** automatically disconnects from the grid during a power outage. However, its built-in socket allows you to power essential devices during a blackout.

How long can electricity be stored?
The storage unit has a capacity of 1.44 kWh / 1.2 kWh, and the stored energy remains in the battery until used. If no power is consumed, the battery stays charged for several weeks as long as the storage unit is turned off. However, the system is designed as a buffer—charging during the day and supplying stored energy in the evening and at night.

SolMate® feels hot in the upper third—should I be concerned?
No, this is normal and not dangerous. The power electronics are located in the upper section, where temperatures can reach up to 60°C. If the temperature exceeds this, turn off the device and contact us.

Can I place an energy meter between SolMate® and my household socket?
You can do so temporarily, but not long-term. Energy meters, including those from our shop, can be used with LightMate systems to measure energy flow. However, they are not recommended for Sol**Mate®**, as they may interfere with Sol**Mate®**'s measurement signal. Instead, you can monitor the feed-in power via the MySolMate app or **mysolmate.eet.energy**.

Does SolMate® only supply devices on one power phase?
Physically, SolMate® feeds power into only one phase. However, your electricity meter balances consumption across all three phases. Typically, household appliances are distributed across these phases. If you have a large, constant consumer on a different phase, you can use the MySolMate app to set a constant base load, ensuring that Sol**Mate®** always feeds in a corresponding amount of power. This effectively bypasses the phase balancing issue!

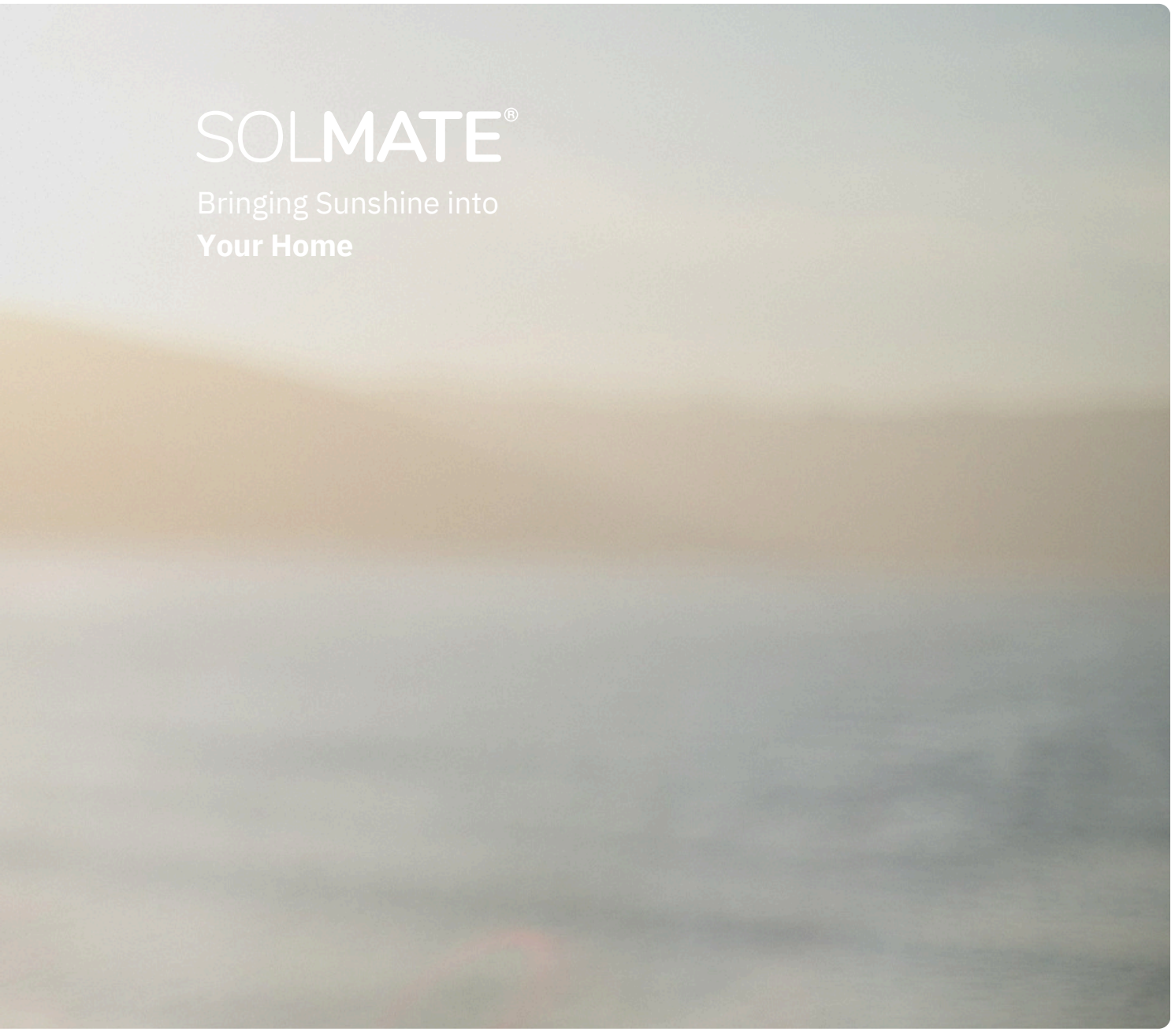
How long are the cables, and can they be extended?
By default:

- The cables from the panels to the storage unit are 5 meters long.
- The cable from the storage unit to the socket is 2 meters long.

If the panel-to-storage cable is too short, feel free to contact us about extension options. If the storage-to-socket cable is too short, you can simply use a regular extension cord from a hardware store. However, we do not recommend extending the panel-to-storage cable beyond 10 meters, as this can lead to power loss.

Can I extend SolMate®'s Wi-Fi range?
Yes, by connecting an external Wi-Fi adapter to SolMate®'s USB-C port. For a list of compatible Wi-Fi adapters, please contact our support team.

Congratulations! Sol**Mate®** is now fully operational and supplying self-generated electricity directly to your home. We are thrilled that you are contributing to the energy transition and wish you great enjoyment with your own photovoltaic system.


SOLMATE®
Bringing Sunshine into
Your Home

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