
Mobile Power

Manual



CONTENTS

1. Safety	3
1.1 General safety regulations and obligations	3
1.2 Residual hazards	3
1.3 Qualified persons	4
1.4 Liability	5
2. Product description	5
2.1 Intended use	6
2.2 Compatibility.....	6
3. Unpacking	6
4. Installation	6
4.1 Assembly without docking bay	7
4.2 Assembly with docking bay	7
4.3 Mounting position	7
4.4 Drilling template	8
5. Operation	9
5.1 With docking bay	9
5.2 Status information.....	9
6. Charging	10
7. Maintenance	10
8. Fault removal	10
9. Disassembly and disposal	11
10. Storage	11

1. SAFETY

1.1 General safety regulations and obligations

Generally, the following safety regulations and obligations apply to handling the product:

- The product must be operated only in perfect and clean state.
- It is prohibited to remove, change, bridge or circumvent any protection, safety or monitoring equipment.
- It is prohibited to convert or change the product without the written release of Swedstyle.
- In case of malfunctions or damage, the product must be replaced immediately.
- Repairs are prohibited. Defective products must be replaced as a whole.
- Hardware replacements or changes to the system configuration are permitted only in non-energized state.
- Only qualified persons may carry out work on the system.
- The national employee protective conditions as well as national safety and accident prevention regulations apply to system operation.

1.2 Residual hazards

Even with maximum diligence during the design and construction of the components and taking into consideration all safety-relevant issues, there can be residual hazards which were evaluated using a risk assessment.

- ⚠ Danger due to liquids or heated surfaces. Never dip the connection cable into liquids and keep the connection cable away from heated surfaces.
- ⚠ Connecting self-built products to the battery pack is prohibited.
- ⚠ Use only suitable components suitable as the device may otherwise be damaged or destroyed.
- ⚠ With a malfunction the battery pack must be disconnected immediately.
- ⚠ Protect the battery pack against moisture, dripping and spraywater!
- ⚠ Conversions or changes to at and battery pack are prohibited.
- ⚠ Cleaning may not be carried out by children without supervision.
- ⚠ Check the battery pack for visual damage prior to commissioning. The battery pack must not be put into operation if a visual damage to the housing has been found.
- ⚠ Never open the battery pack. There is a danger of electrical shock.

- ⚠ This device can be used by children above the age of 8 years as well as by persons with reduced physical, sensorial or mental capacities or a lack of experience and knowledge if they are supervised.
- ⚠ Do not use the battery pack outside or in wet areas!
- ⚠ The battery pack is not designed for continuous operation. Changing the table top height without disruption must not exceed the duty cycle specified on the type plate!
- ⚠ Risk of fire and burns due to heat development. During operation and charging, the battery pack becomes warm. Ensure that the battery pack does not exceed the specified maximum temperature! Do not cover battery pack or charger! Do not use the battery pack in case of smoke development! Keep away from inflammable objects! Do not incinerate!
- ⚠ The battery pack may only be used within the specified ambient conditions. Avoid exposure to direct sunlight, or excessive heat and humidity.
- ⚠ Risk of material damage due to inadequate mounting. Ensure that the mounting surface meets all requirements regarding the weight and temperature of the battery pack.
- ⚠ The capacity of the battery pack can deteriorate over time, depending on ambient and operating conditions.
- ⚠ Ensure ESD-oriented handling during the unpacking. Errors that can be attributed to electrostatic discharge will void warranty claims.

1.3 Qualified persons

Products of Swedstyle may be installed and commissioned only by qualified persons who are authorised to plan installation, install, commission or maintenance/repair and who have read and understood the product documentation. Qualified persons have, because of their training, professional experience and timely professional activity, the required technical knowledge to be able to test, evaluate and handle electrical and mechatronic products and systems according to the generally valid standards and the guidelines of electrical engineering and furniture production. They know and observe the basic regulations for industrial safety and accident prevention and the basic and specialised standards applicable to the special application.

All safety standards and guidelines relevant for the application must be taken into consideration. The furniture manufacturer carries out a safety review of the overall system and is responsible for the certification of the overall system.

1.3 Liability

The information in this documentation describes the characteristics of the products without assuring them. The products comply with the state of the art as well as the applicable safety and health regulations. But there can still be hazards through faulty operation or incorrect use. Swedstyle is not liable for damage resulting from:

- Inappropriate use of products
- Failure to observe the documentation
- Unauthorised changes to the products
- Unprofessional work performed on and with the product
- Operation of a product even though it is damaged
- Wear parts
- Incorrectly carried out repairs
- Unauthorised, inappropriate change of operating parameters
- Disaster situations, external influences or force majeure.

The manufacturer of the height-adjustable table top into which this product is installed is responsible for the product in the specific application and the compliance with the corresponding guidelines, standards and laws. Swedstyle is not liable for damage that can be attributed directly or indirectly to the delivery, performance or use of this document.

2. PRODUCT DESCRIPTION

Mobile Power is a rechargeable battery pack for electrically height-adjustable table tops. There are two interfaces provided, one input connector (Micro-USB type B for charging) and one output connector (10 pin minifit) for a connecting cable. A button with integrated LEDs informs about the current battery status.

- 1 Battery status button / Power ON button
- 2 Battery status LEDs
- 3 10-pin minifit
- 4 Connector Micro-USB type B

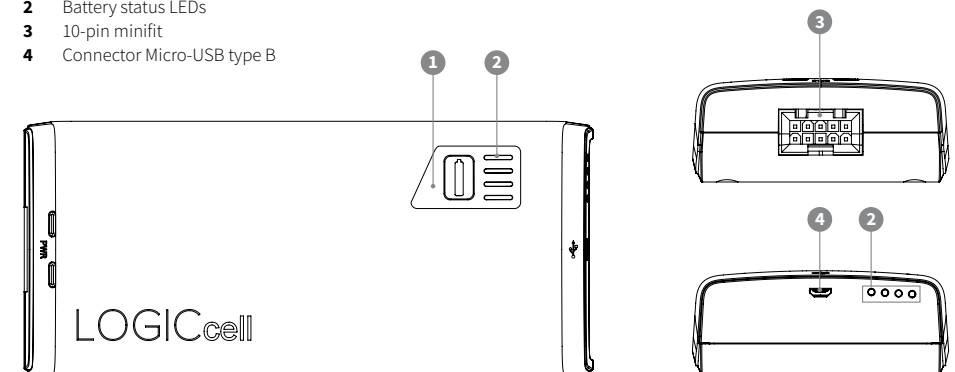


FIG 1: PRODUCT OVERVIEW

2.1 Intended use

Mobile Power is an electrical device for indoor use. It may be used only in dry interior spaces and according to the product description. The installation site must be level, vibration-free and free from contamination. It must be ensured that there is no extraordinary exposure through dust or toxic or caustic gases and vapours or through inadmissible heat exposure at the installation site.

This device can be used by children above the age of 8 years as well as by persons with reduced physical, sensorial or mental capacities if they are supervised or were instructed in the safe use of the device and understand the resultant hazards. Children may not play with the device. Cleaning may not be carried out by children without supervision.

After the mechatronic system has been installed in a table top, the table top manufacturer / customer is responsible for a risk analysis and assessment of the complete table top and for creating a user documentation.

2.2 Compatibility

The Mobile Power is only compatible with SMARTneo-pro.

3 UNPACKING

Proceed as follows to unpack:

1. Put on an antistatic bracelet. Ensure ESD-oriented handling during the unpacking. Errors that can be attributed to electrostatic discharge will void warranty claims.
2. Remove the packing material.
3. Check the contents of the package for completeness and damage.
4. Dispose of packaging material in an environmentally responsible way.

4 INSTALLATION

⚠ During installation of the system, the cables must be unplugged.

⚠ Before mounting and commissioning the Mobile Power, make sure that the product acclimatizes to the temperature and humidity values specified in the data sheet for operation.

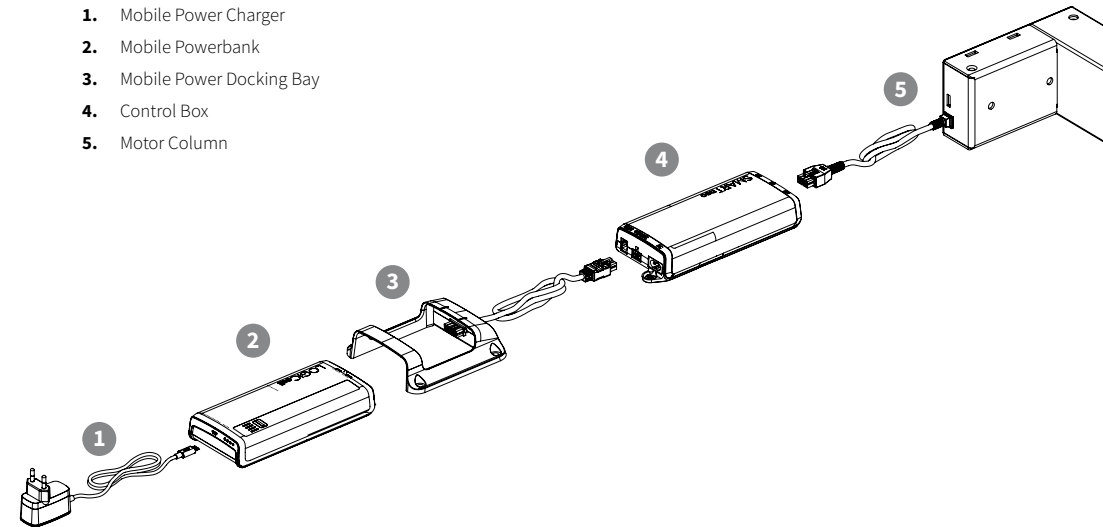
⚠ Assembly of the system is described in the corresponding customer manual.

Preconditions

1. The Mobile Powerbank is fully loaded (charging time 8 hours).
2. The mechatronic system is installed.
3. The control box is disconnected.

Parts for assembling:

1. Mobile Power Charger
2. Mobile Powerbank
3. Mobile Power Docking Bay
4. Control Box
5. Motor Column



4.1 Assembly without docking bay

If the Mobile Power is used without docking bay, find a secure place on the table top.

⚠ Risk of fire and burns due to heat development. Do not cover battery pack or charger!
 ⚠ Risk of material damage due to extraordinary exposure. Avoid exposure to direct sunlight.

For connecting the Mobile Power to the control box, a suitable cable is required.

4.2 Assembly with docking bay

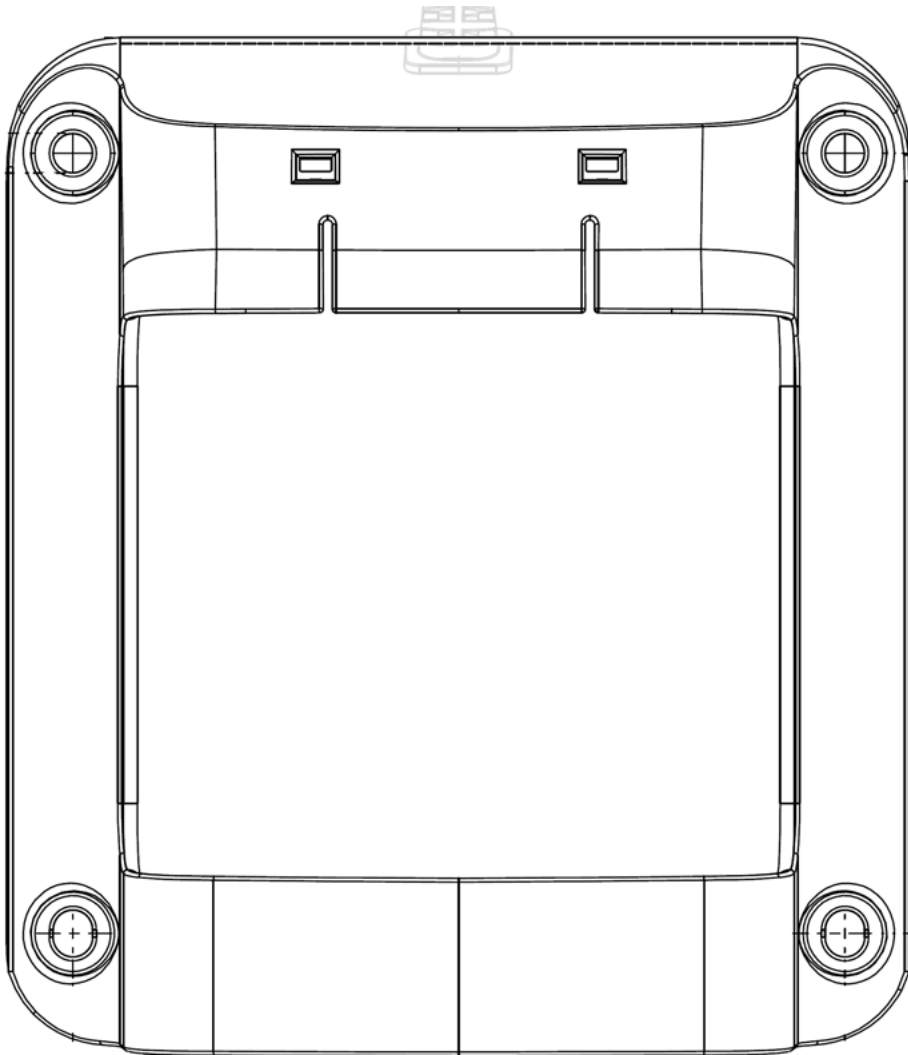
⚠ Mounting position and orientation of Mobile Power must ensure good visibility of loading indicator. Particular mounting positions may cause restrictions to legroom. The docking bay must not be compressed or deformed.

If the Mobile Power is used with a docking bay, the following mounting instructions have to be observed.

4.3 Mounting position

When mounted on the underside of the table top the required legroom as defined by DIN EN 527-1:2011 has to be considered.

4.4 Drilling template



5. OPERATION

During a thunderstorm or if you are absent for a longer period of time, pull the charger out of the socket. Otherwise, device damage may be caused by network-related overvoltage. The Mobile Power pack provides the power supply for the attached control box.

5.1 With dockingbay

⚠ If the battery is removed from the docking bay it must be activated with the "power on button" during reinstallation.

5.2 Status information

In normal operation, the status of charge (SOC) of the Mobile Powerbank is shown by pushing the battery button. Depending on the SOC, 1 to 4 LEDs are illuminated. If the battery status drops below 26 %, a buzzer beeps twice for 0.5 seconds. If no battery status is indicated, the Mobile Powerbank has to be charged for 8 hours to recover. If recovery fails, the Mobile Powerbank has to be replaced.

CONDITION	INDICATING PATTERN
Normal operation, battery button has been pressed	LED bar shows SOC for three seconds: 100 - 76 %: 4 LEDs on 75 - 51 - %: 3 LEDs on 50 - 26 %: 2 LEDs on 25 - 11 %: 1 LED on 10 - 0 %: 1 LED flashing
Normal operation, system is moving, SOC < 26 %	LED bar shows SOC continuously while moving: 25 - 11 %: 1 LED on 10 - 0 %: 1 LED flashing
Mobile Powerbank is connected to the charger	LEDs show SOC continuously while charging: 0 - 25 %: 1 LED flashing 26 - 50 %: 1 LED on, 2nd LED flashing 51 - 75 %: 2 LEDs on, 3rd LED flashing 76 - 90 %: 3 LEDs on, 4th LED flashing 90 - 100 %: 4 LEDs on
Mobile Powerbank is connected to the control system and inserted into the docking bay	All 4 LEDs are on for 0.5 sec (simultaneously with buzzer)

6. CHARGING

If the battery is to be recharged properly, it is recommended that you use the charger supplied from swedstyle

 Risk of fire and burns due to heat development. Do not cover battery pack or charger! Ensure that the temperature remains within the specified limits!

The Mobile Powerbank has to be charged approximately once a month, depending on the individual operating conditions (e. g. weight of the table, frequency of use). It can be charged directly in its operating position during use or detached from the docking bay. The current battery status is shown during charging. All 4 LEDs on indicate that the Mobile Powerbank is fully charged.

7. MAINTENANCE

The maintenance of the Mobile Power comprises the following tasks:

- Remove dust and dirt from the housing of the Mobile Power with a soft, dry cloth.
- Regularly inspect the housing for cracks or other damage.
- Regularly check connections and cables.
- Discharge and recharge the Mobile Power every 6 months (independent of its use).

8. FAULT REMOVAL

Fault indication. A buzzer informs the user about the system status as well as the reason for the last shut-off. The following table shows how the number of buzzes correlates with the different information.

INDICATING PATTERN	DESCRIPTION	REMEDY
Buzzer beeps twice for 0.5 sec. after button has been pressed	SOC < 26 %	Recharge Mobile Powerbank
Buzzer beeps continuously for 0.5 sec. while system is moving	SOC < 26 % OR Internal error	Recharge Mobile Powerbank
Buzzer beeps 3 times	Internal error	Replace Mobile Powerbank Contact customer support
Buzzer beeps fast 5 times	Recovery mode	1. Charge for 8 hours 2. Connect LOGICcell to system If recovery fails: Replace Mobile Powerbank Contact customer support

9. DISASSEMBLY AND DISPOSAL

How to disassemble Mobile Power pack

1. Disconnect all cables.
2. Remove Mobile Power.
3. Unscrew the four mounting screws that attach docking bay to the table top.
4. Dispose of all parts in course of the final decommissioning in an environmentally sound and unmixed manner.

Disposal



The Mobile Power is an electrical and electronic device which must be disposed of separately from household trash in accordance with the WEEE directive 2012/19/EU. The products are labelled with the symbol shown on the left.

Before the disposal of materials and components, check their recyclability. Recycle all parts, if possible. Dispose of all materials and parts according local guidelines and regulations. Ensure that the disposal is lastingly compatible for humans and nature.

10. STORAGE

The storage room has to comply with the ambient conditions stipulated in the corresponding datasheet. Lithium ion batteries shipped by air must be charged before storing. Stored batteries have to be recharged at least every 6 months or more frequently, depending on the temperature in the storage room.

TEMPERATURE RANGE	MAX. STORAGE TIME BEFORE RECHARGING
0 °C to +25 °C	6 months
+26 °C to +50 °C	3 months
+51 °C to +60 °C <	1 month

Smart office solutions

Swedstyle AB.

Box 171, SE-567 24 Vaggeryd, Sweden

info@swedstyle.se

+46 393-363 60

www.swedstyle.com

