



# MagSynergy™

## User manual

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### Set includes:

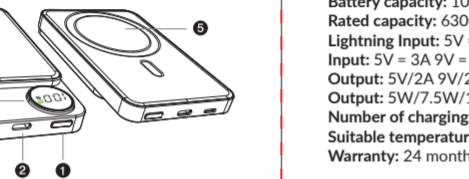
1. MagSynergy™ power bank,
2. User manual,
3. Protective film for the front cover,
4. Cabel USB-C/USB-C.

### Introduction

The MagSynergy is composed of aluminium and plastic casing; it supports Apple devices and Type-C PD input.

Battery charging of another device is enabled after connecting it to the power bank with USB-C cable, or by using inductive charging module.

### Product description



1. Power switch/ charging mode switch (click 1 time to switch on click another time to change to quick charge or wireless charge mode - the charger will display symbol ).
2. Type C /C PD interface (input/output)
3. Lightning input
4. LED power display screen
5. MagSynergy wireless charger

### Specifications

**Model:** MS22

**Battery:** lithium polymer battery

**Battery capacity:** 10000mAh / 3,7V/37Wh

**Rated capacity:** 6300mah (5V/2A)

**Lightning Input:** 5V = 2A

**Input:** 5V = 3A 9V = 2A 12V = 1,5A (USB-C/ PD)

**Output:** 5V/2A 9V/2,22A 12V/1,5A (USB-C/ PD)

**Output:** 5W/7.5W/15W (wireless output)

**Number of charging cycles:** 500

**Suitable temperature of environmental:** 0°C - 40°C

**Warranty:** 24 months

### User Manual

1. The built-in Type - C and Apple input ports enables connection to products equipped with battery.
2. The same USB-C/PD port together with the Lightning port allows us to charge the power bank. We recommend that you do not use chargers more powerful than 35W to charge MagSynergy.

3. In order to start charging a device that needs to be charged using a USB cable, you only need to connect the cable to the power bank and to the device being charged. The power bank will automatically detect the device and start the mode that best suits the device being charged.

4. If the power bank needs to be charged, connect it to a power source and leave it for about 2 hours. When fully charged, the power bank will automatically cut off the power - you don't have to worry about the battery being overcharged. This is one of the many protections that we have used in this device to improve the quality of the batteries and extend their life cycle.

### 1

#### Problem

After charging the product for a long time, the LED screen does not display the fully charged status (100 %).

#### Reason

1. The charging time is too short.
2. The charger is malfunctioning.

#### Solution

1. Our product capacity anticipates 5000 charging cycles for 5 hours and 8 hours of charging for over 10000 charging cycles.

### 2

#### Problem

Unable to check the remaining power of the product.

### Reason

1. The remaining power indicates zero.
2. Power button or indicator light failure.
3. Power failure of the product.

#### Solution

1. Recharge the product.

### 3

#### Problem

When charging target equipment, the product can provide charging but not until the full capacity of the target device.

#### Reason

1. The power bank is not fully charged.
2. During wireless charging, the target device draws too much power, resulting in power sources.

#### Solution

1. Try charging the target device with a USB cable.

### 2

#### Reason

External short-circuit or excessive load cause automatic activation of the protection mechanism of the product.

#### Solution

1. If too many devices are connected to the power bank, disconnect them and try to charge the target device with a USB cable.
2. Check that the charger you use to charge the power bank is not more powerful than 35W.
3. Disconnect the power bank from the power source.

#### Problem

The product stops working and does not display power level while being charged.

#### Reason

The product stops working and does not display power level while being charged.

#### Solution

1. Recharge the product.

### 4

#### Problem

The product stops working and does not display power level while being charged.

#### Reason

External short-circuit or excessive load cause automatic activation of the protection mechanism of the product.

#### Solution

1. Recharge the product.

### Nominal capacity - what is this?

The nominal capacity of the device specified in the device specification expressed in mAh is the total sum of the capacities of all the cells. In practice, depending on the method of discharge, e.g., using a USB-C port voltage of 5V-2A or wirelessly at 15W, voltage conversion occurs and the usable capacity will reach approx. 65-70% of the nominal capacity. For devices using voltages higher than 5V (QC, PD, Supercharge), the usable capacity will be adequately lower.

### Recommendation

In order to obtain the best possible performance of the cells, it is recommended to charge the power bank with chargers not exceeding 35W, and to ensure that the power bank's charge level never drops to 0%.

### How to charge the power bank?

You can charge the power bank for the first time immediately after unpacking it and after using the electricity stored. However, it is worth doing the first charging completely, i.e. until the electronics of the powerbank informs you about the end of the charging process.

### One of the protection modules installed in MagSynergy is one that protects it from overcharging. This means that the device will charge exactly as much as needed, and after the process is completed, it will automatically cut off the electricity and inform us about the end of the charging process.

### To charge power bank simply connect the USB-C cable to the USB-C Out/In PD20 port. Then connect the USB cable to a power supply or a USB port of your computer. Then a digital indicator will appear on the LED display, indicating that the product is being charged. The digital LED indicator will show 100% when the power bank is fully charged.

### It is not recommended to charge the power bank with high-voltage chargers exceeding 35W and to discharge the power bank to 0%. We recommend to recharge the device when the indicator shows 10% of energy left.

### Tips

1. The back surface of the charging phone should not be covered with metal materials, such as metal plate, ring, metal protective case, etc.
2. When the phone heats up or stops wireless charging, it may mean that the receiving coil of the phone is not fully aligned with the wireless charging coil, or there are metal objects in the on the way between.
3. The product has overcurrent protection function. If the product is used improperly, it will turn off or reduce the output power, reduce the charging speed.

### 4. Please do not put the product in water, fire, medium temperature environment (more than 45 degrees) and low temperature environment (less than -20 degrees). Do not let children play with the power bank.

### 5. Use a dry, soft cloth to clean the surface. Do not use chemicals, soaps or detergents.

### 6. Please do not disassemble the device by yourself. Improper use may shorten the life or damage the product.

### 7. Please charge the power bank regularly (recommended at least 1 every 5 months) to maintain battery in good condition.

### 8. In the event of any personal or property damage caused by improper use, the company does not assume any legal liability.

### 9. Avoid strong physical actions, including knocking, throwing, stomping, squeezing.

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### 11. Set included an additional protective film for the front cover of the power bank to protect it from scratches.

### Wireless charging

Before you place your mobile phone on a charging surface make sure that MagSynergy has got inductive charging function activated. The Power Switch button is used to switch between charging modes. The procedure for changing the charging mode is as follows:

1. Press the Power Switch button for 1 second until the battery indicator appears on the screen.
2. To enable wireless charging mode, press the Power Switch button again quickly.

### 3. The wireless charging mode is on and the green diode in the upper right corner of the display informs us about it .

### 4. Only at this stage should the charging device be applied to the charging surface.

