



## 光与健康

### 光是所有生物健康生长的必备条件

在自然界中，并非只有植物的成长需要光的参与（光合作用），所有生物的生长都离不开光的作用，早在公元2世纪就有了阳光治疗疾病的记载（日光疗法：阳光暴晒，增强体质，预防软骨病）。人工光源疗法始于18世纪末，至19世纪中，可见光、红外线、紫外线等相继形成，随后于临床治疗的各领域中得到广泛的应用和不断发展。

## Light and Healthy

Light is a prerequisite for all living healthy growth

It's not only plants who need light . all creatures can not leave light . As early as the 2nd century we had the records of sunlight to treat disease .(solar therapy: sunlight, enhanced physique, prevent rickets).Artificial light therapy began at the end of the 18th century, to the middle of 19th century, visible light, infrared, ultraviolet, such as quickly formed, then the clinical treatment of widely in various fields of application and development.



## LED Beauty Care

### Light is proved to have medical properties

On October 17, 1903, the world's broadsheet newspaper published the Nobel foundation award announcements, on the winners list named "Niels Ryberg Finsen", has attracted a lot of people from all over the world care about the award ceremony Finsen is the person to create good phototherapy law lupus, smallpox, some with are patient his method to cure the patient, scrambling to flock to Stockholm, eager to see the world-famous imperial doctor.



Niels Ryberg Finsen  
1860.12.15 - 1904.9.24

 Danish  
1903 Nobel Prize winner

### LED美容护理 | 光被证实有医疗性

1903年10月17日,世界各大报上刊登了诺贝尔基金会的颁奖公告,在获奖人名单中有个名叫“尼尔斯·吕贝里·芬森”的,引起了世界各地很多人对这次颁奖庆典的关注。芬森是创立光疗法治好狼疮、天花的人,一些用他的方法治好的病人,争先恐后地蜂拥至斯德哥尔摩,渴望能见到这个举世闻名的神医。

### 尼尔斯·吕贝里·芬森

1860.12.15—1904.9.24

 丹麦  
1903 诺贝尔物理及医学奖得主



## Application of modern optical care

Optical care is inspired by the light in the application of NASA and the Navy, a survey found that light can enhance the energy level, so that patients feel full of energy. Light is not intrusive, and it's low light pulses, three times brighter than the sun. Light can enhance the potential energy of skin cells, blue light can play sterilization and anti-inflammatory action to improve the surface skin, which has good effect for the treatment of acne and rosacea. Red light can promote the growth of skin collagen to achieve intensive skin care.

### 近代光学护理的应用

光学护理是受启发于光在美国宇航局以及美国海军的应用,调查发现光可以提升能级,使病人感觉充满活力。光不具有侵入性,而且为低脉冲光,亮度高于太阳光三倍多。光可以提升皮肤细胞的潜在能,蓝光能够起到杀菌和消炎作用来改善表面肌肤,对于治疗痤疮和酒糟鼻有很好效果。红光可以促进皮肤胶原蛋白的增长,进行皮肤深度的美容保养。



## LED Mask

### LED光学面膜

#### Introduction

LED optical mask made of high purity, high power density of red light, blue light to illuminate of skin, can change the cellular structure, killing bacteria, to provide a suitable environment for new cells, enhance new collagen's elastin, promote cell growth, Complex inflammatory acne skin aging, and alleviate the sun burns skin, and not do harming the skin, can whiten skin, improve skin elasticity.

#### 产品介绍

LED光学面膜采用高纯度、高功率密度的红光、蓝光对皮肤进行照射，能改变细胞结构，杀死细菌，为新生细胞提供一个适合的环境，增强新胶原蛋白和胶原蛋白的生成，促进细胞生长；能修复炎症性痤疮老化肌肤、缓解日晒灼伤皮肤，而不伤害到皮肤，能美白皮肤、促进皮肤弹性。

#### Product principle-Wide spectrum of strong pulse photon technology

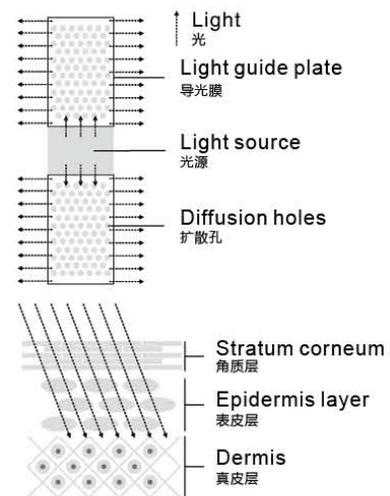
Specific wavelength pulse light energy can be through the epidermis, selective effects on the skin pigment, open blood vessels, hair follicles, atrophy, decomposition and absorption. At the same time also can make the thickening collagen tissue, generally after 15days to achieve whitening and anti-wrinkle treatment. Photon tender skin belongs to Non-ablative treatment and compare tender skin to before (chemical peeling, skinned paste), it won't cause adverse effects and complications, safe and reliable.

#### 产品原理-宽光谱强脉冲光子技术

特定波长的脉冲强光能量可穿过表皮，选择性作用于皮下色素、开放血管、毛囊，使其萎缩、分解、吸收。同时还可使胶原组织增厚，一般经过15天治疗可达到美白除皱目的。光子嫩肤属于非剥脱方式治疗，和以前嫩肤术（化学剥脱、肌皮膏）相比，不会造成不良后果及并发症，安全可靠。

#### Product Schematic Diagram

##### 产品原理图



#### Features:

1. Non-contact, non-invasive treatment, quick effect, short course of treatment, no side effects.
2. Adjustable sleep, anti-inflammatory sterilization, effectively reduce acne.
3. The intensity of light source output stability, long life of light source.
4. No fever, no ultraviolet, won't produce pigmentation.
5. Can effectively strengthen the skin collagen cells activity, helps smooth tiny wrinkles.
6. Fade age spots, reducing solar sex skin damage.
7. Reduce the rosacea erythema and capillaries expansion.
8. Easy and convenient to operation.

#### 特点:

- 1.非接触，非侵入性治疗。见效快，疗程短，无副作用。
- 2.可调节睡眠，消炎杀菌，有效减少青春痘。
- 3.光源输出强度稳定，光源寿命长。
- 4.不发热，不含紫外线，不会产生色素沉着。
- 5.可有效增强皮肤胶原细胞的活性，抚平细小皱纹。
- 6.淡化雀斑，减少日光性皮肤损伤。
- 7.减少红斑痤疮的红斑和毛细血管扩张。
- 8.操作简单方便。



### 减少细纹

促使肌肤产生胶原蛋白，肌肤进而减少细纹和皱纹，更加透亮白皙

### 紧缩毛孔

缩小毛孔，改善整体肤色亮度，让皮肤光滑富有弹性

### 淡化雀斑

淡化雀斑，红血丝，皮肤更加清透无暇

### 血液循环

促进面部血液循环，锁住肌肤水分

### 肌肤细致

提供肌肤细胞活化能量，加速肌肤新陈代谢速度，使肌肤常保持如婴儿般细致

### 减缓暗疮

减缓暗疮红肿，加速问题肌肤的改善及晒伤后皮肤的修复，紧致肌肤

## Introduction

As a new light source, with the biological effect is known by people. It plays an active role in the medical-grade beauty center and in the burn and scald treated instruments.

The International Medical has verified that the specific wavelength light can enhance the vitality of skin cell tissue to improve the skin condition by overlaid irradiation. Adopting the photoradiation theory, LED Mask can make the user maintain the facial skin safely and easily with intimate design. It can promote the growth of skin collagen to achieve greater depth cosmology of skin. It is the phototherapy you can enjoy any time as you want. In addition, comparing with

### 产品介绍

LED作为一种新型光源，随着其生物学效应被人们所认识，利用特定波长的光，通过贴近照射方式能够提升皮肤细胞组织的活力，更好地改善肌肤状况。

LED面膜采用光照射的原理，加上贴心的设计专利，让使用者安全简单的达到保养面部肌肤的目的。促进皮肤胶原蛋白的增长，进行皮肤深程度的美容保养。

LED面膜是利用特定波长光源的照射，与人体肌肤发生反应，激活细胞更新速

## LED Red Mask

### LED红光面膜

## Create a natural beauty era

开启自然美容新时代

### Juvenility

Enhance the generation of collagen, reduce microgroove and wrinkles, and lighten skin color.

### Compactness

Tighten the pores, improve the overall skin brightness, make the skin smooth and supple.

### Rejuvenation

Fade freckles and opcs-redness, reduce acne and inflammation, accelerate the improvement of skin and the recovery after sunburn.

### Moisturizing

Promote the circulation of face blood, lock up the skin aqua.

### Vitality

Provide the cell activation energy, accelerate skin metabolism rate, thus to make the skin tender like a new-born baby.

### Reduce acne

Restrain the inflamed phenomenon, accelerate the improvement of defective skin and repair of burn skin, and firm skin.

the traditional facial mask, LED Mask is more convenient, safer, and can be reused and has the advantage of environmental protection and others. LED Mask delivers voluminous LED red light energy to skin during the use, to process the crease from greater depth, it can not only flat the skin, but also prevent the growth of intradermal indigenous bacteria. You only need wear LED Mask 25 minutes every day, then LED red light will improve your skin gradually.

度，达到生产胶原蛋白，促进新陈代谢，加快血液循环之功用。同时较传统面膜将更加方便，安全，可重复使用环保等优点。随时都可享受的光疗。

LED面膜在使用的过程中向肌肤大量输送LED红光的能量从深度对皮肤褶皱进行处理，它不仅可平复肌肤，还能够防止皮肤内部细菌滋生。只需每天将LED面膜戴上25分钟，LED红光就可以逐渐改善你的肌肤。



## Product data 产品参数

ITEM	Red Mask 2	Red Mask 1
Rated Voltage	DC5V±0.5V	DC5V±0.5V
Rated Current	1000 MA	500 MA
Power	5W	2.5W
Luminous Flux	300LUX	150LUX
Wavelength	650nm	650nm
Irradiated Area	30*20cm	30*20cm
Portable power supply Voltage	5V	5V

项目	红光面膜2代	红光面膜1代
额定电压	DC5V±0.5V	DC5V±0.5V
额定电流	1000 MA	500 MA
功耗	5W	2.5W
光通量	300LUX	150LUX
波长	650nm	650nm
照射面积	30*20cm	30*20cm
移动电源电压	5V	5V

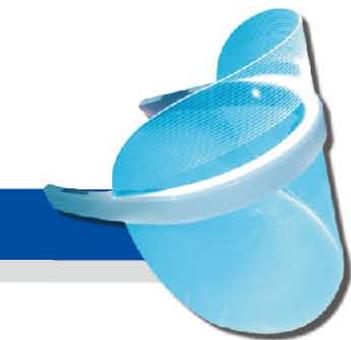
## Work Principle

LED red light adopting 650nm light efficient emitting, wavelength, through in the quantum photons absorbed by mitochondria of human body, and leads to the enzyme catalysis, so that to active the activity of many enzymes such as catalase and superoxide dismutase etc. Enhance metabolism of cells, improve immunity. Can stimulate and promote fibroblast proliferation and collagen synthesis. Red second generation Mask has timing function, it can be shut off automatically after using 20 minutes.

### 工作原理

LED红光采用650nm高效发光波长，通过人体组织颗粒体吸收所产生的共振，将吸收的光子导入体内，产生光化学生物反应“酶促反应”被细胞线粒体吸收，使其内过氧化氢酶及超氧化物歧化酶等多种酶的活性得到激发。促进细胞的新陈代谢，提高免疫力，可刺激并促进纤维母细胞增生及胶原蛋白之合成。其中红光二代设有定时功能，即使用20分钟之后自动关闭。





### 修复暗疮

修复暗疮损伤，抑制伤口细菌滋生。

### 减少疤痕

降低暗疮伤口造成疤痕几率。

### 缓解炎症

减缓皮肤发炎反应。

### 增白亮肤

增进皮肤亮泽度。

### 增加活力

减少嗜睡，增加工作活力。

### 调理健康

调整生理时钟（如睡眠障碍、时差、季节性障碍、经期综合症等）。

## Introduction

Blue light wavelength has the function for inhibiting melatonin. Light can affect the body's hormone secretion, heart rate, alertness, sleep quality, body and gene expression, blue-ray elevated body temperature, speed up the heart rate and reduce the role of sleepiness.

Blue light can inhibit sleep related delta brainwave, alpha brain-wave increased significantly related to alertness. This means that you can use the short wavelength light blue as lethargy of control measures. LED Blue-ray can have antiseptic and anti-inflammatory effects to improve the surface of the skin, have very good effect to treat acne and rosacea. Blue-ray is specifically kill cause acne acne bacillus, just

### 产品介绍

蓝光波长对褪黑素具有抑制作用，光线能影响到人体的激素分泌、心率、警觉性、睡眠质量、体温和基因表达，蓝光升高体温，加快心率和减少嗜睡的作用更强。蓝光能抑制睡眠相关的δ脑波，显著增加与警觉性有关的α脑波。这意味着可以使用短波长光线蓝光作为嗜睡的控制措施。LED蓝光能够起到杀菌和消炎作用来改善表面肌肤，对于治疗痤疮和酒糟具有很好效果。

## LED Blue Mask

### LED蓝光面膜

### Create a natural beauty era

开启自然美容新时代

#### Bacteriostat

Repairing of acne damage and inhibition of wound bacteria.

#### Smoothing

Reduce the odds of scar caused by acne wound

#### Anti anaphylaxis

Slow down the skin inflammation

#### Glossiness

Improve the glossiness of skin.

#### Health

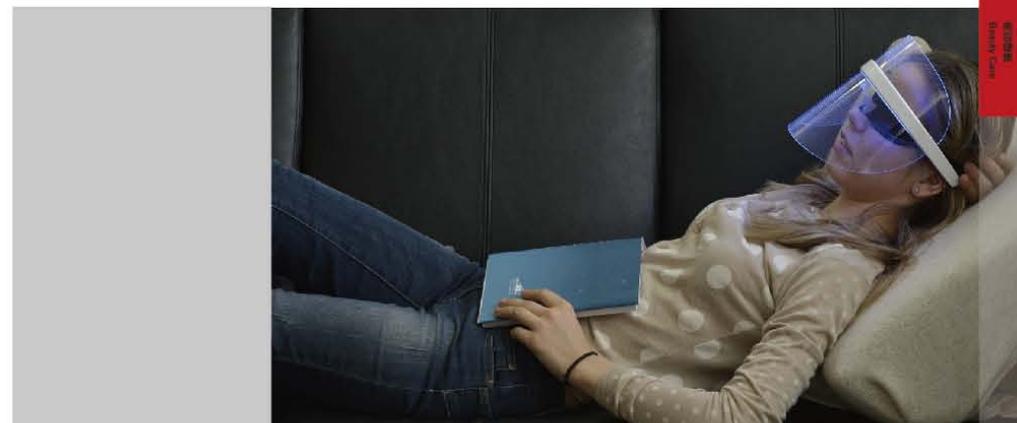
Reduce somnolence, increase vitality.

#### Conditioning

Adjust the biological clock (sleep disorders, time difference, menstrual syndrome).

need exposure 15-25 minutes on the skin, only for acne, light is very gentle, sensitive skin can be done, without any side effects. For the red and blue light acne r side effects, there is no need to worry about it.

蓝光是专门杀灭引起痘痘的痤疮杆菌的，只需要在皮肤上照射15-25分钟，只针对痘痘，光非常温和，敏感性皮肤都可以做的，没有任何副作用。对于红蓝光祛痘副作用，你就无需担心了。



### Product data 产品参数

ITEM	Blue Mask
Rated Voltage	DC5V±0.5V
Rated Current	500 MA
Output Power	2.5W
Luminous Flux	300LUX
Wavelength	470nm
Irradiated Area	30*20cm
Portable power supply Voltage	5V

项目	蓝光面膜2代
额定电压	DC5V±0.5V
额定电流	500 MA
功耗	2.5W
光通量	300LUX
波长	470nm
照射面积	30*20cm
移动电源电压	5V

### Work Principle

LED blue light is applied high luminescent wavelength of 470 nm , a specific blue light, with speed up blood circulation, activate cells, stimulate the active role of cell excitability. Can promote the synthesis of collagen, strengthen the skin collagen and elastic fibers. Can convey LED blue light to the skin, very comfortable, no concern of claustrophobia. Wearing the LED mask 25 minutes every day, your skin can be improved by LED blue light gradually.

### 工作原理

LED蓝光采用470nm高效发光波长，特定蓝光照射皮肤后，具有加快血液循环，活化细胞，刺激细胞兴奋性的活跃作用；可促进胶原蛋白合成，增强皮肤的胶原蛋白和弹性纤维。使用LED面膜面膜，不但不会具有幽闭的感觉，而且向肌肤大量输送的LED蓝光可以使人感觉很舒适。只需要每天将LED面膜戴上25分钟，LED蓝光就可以逐渐改善你的肌肤。



LED面膜  
Three Color Mask

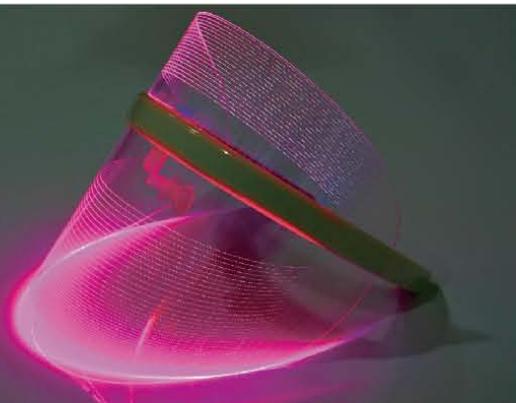
## Three color mask

### 三色光面膜

The LED mask inventor, invented the LED mask again!

LED面膜发明者，再次发明了LED面膜

Collection of red and blue mask all characteristics, the effect is more strong  
集合红光面膜、蓝光面膜的所有特点，效果更为强劲。

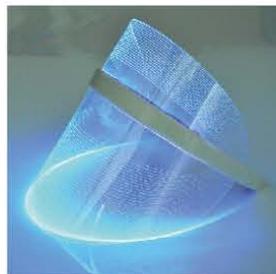
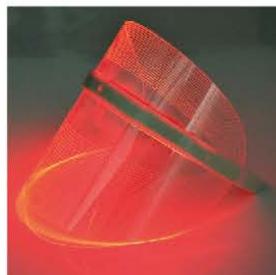


## Introduction

Three colored light mask choose narrow-spectrum light is emitted from cold light and won't produce high fever, not burn the skin, it can turn the light energy into energy in cells, is the one of the significant instrument most safe for treat acne and skin.

It shows that red and blue mixed irradiation can amount to 35.7%, far higher than that of pure blue light group (8.3%) (P=0.008).

Severe acne is moderate acne have more obvious reaction, and the side effect is small, use blue light on the inflammatory response have to produce effect, cooperate with red curative effect is superior to use alone, no obvious side effects. Conclusion: the combination of red and blue light treatment of acne can obtain ideal curative effect, suitable for light treatment, patients with severe acne.



## 产品介绍

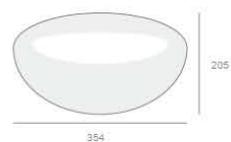
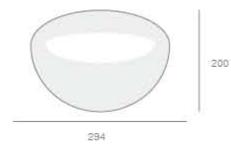
三色光面膜选用窄谱光源所发出的一种冷光，不产生高热，不会灼伤皮肤，它将光能转为细胞内能量，是治疗痤疮和嫩肤最安全而且效果显著的仪器之一。

研究表明，红蓝光混合照射可达35.7%，远远高于单纯蓝光照射组(8.3%) (P=0.008)。重度痤疮较中度痤疮有更为明显的反应，且副作用很小，使用蓝光对炎症反应可产生效果，配合红光疗效优于单独使用，无明显的副作用。结论：红-蓝光联合治疗痤疮可获得理想疗效，适合治疗轻、重度痤疮患者。

## Change of optical thin film

### 导光膜的变化

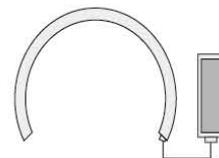
Units: mm  
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## Change of power supply

### 电源的变化

Red Mask  
External power supply  
红光面膜-外置电源



RBP Mask  
Built-in power supply  
Increase the Touch switch  
三色光面膜-内置电源-增加开关



Power supply 电源  
Touch switch 开关

## Change of the product

1. The change of the product efficacy, multi-usage, satisfy to meet customer demand.
2. The change of product power supply, unibody design, facilitate better use for consumers.
3. The change of the light film, more large area light panel, make skin more fully by light area.
4. Increase of the regulator, to facilitate consumer use of products.

### 产品的变化

1. 产品功效的变化，一机多用，更多的满足客户的需求。
2. 产品电源的变化，一体式设计，更好的方便消费者的使用。
3. 导光膜的变化，更大面积的导光面板，让肌肤受光面积更充分。
4. 调节器的增加，便于消费者对产品的使用。

## Controller introduction

For better use and convenience, we improved our products and added regulator device, which is based on the use time of products, set up 6 gears products function. Touch the right of the mask holder, switch between various function.

- A level: Turn off automatically when the red and blue bright after 20min.
- B level: Turn off automatically when the red bright after 20min.
- C level: Turn off automatically when the blue bright after 20min.
- D level: Red bright longer.
- E level: Blue bright longer.
- F level: Power off.

### 调节器说明

为方便消费者更好的使用产品，我们对产品进行了改进，增加了一个调节器装置，它基于产品的使用时间，一共设置了6个档位的产品功能。通过手指触碰面膜右边的支架，进行各种功能之间进行切换。

- 一档：红蓝混合光，20分钟后自动关闭。
- 二档：红光，20分钟后自动关闭。
- 三档：蓝光，20分钟后自动关闭。
- 四档：红光，长亮。
- 五档：蓝光，长亮。
- 六档：关闭电源。

LED面膜  
Three Color Mask

## Product Certificate

产品证书



## Qualifications & Patent

We have patent for LED mask, access to qualified EU market, advanced production systems, improved the quality of management

### 资质及专利

我们拥有LED面膜的专利技术，欧盟市场的准入资格，先进的生产体系，完善的质量管理。



## Product quality inspection report

Our LED mask pass the test by China Quality Supervision and Inspection Center. Product safety non-toxic meet, safe household products, and skin and hair care appliances - Particular requirements, exceeding the national standard product requirements

### 产品质量检测报告

我们的LED面膜经过中国广东省东莞市质量监督检测中心检验，产品安全无毒，符合家用产品安全，及皮肤毛发护理器具的特殊要求，超过国家产品标准要求。



## Matters needing attention

注意事项

### Notices

1. Pregnant and minors are not suggested to use.
2. Part wavelength and frequency may cause epileptic disease, please do not use.
3. If suffering from thyropathy or taking thyropathy related medicines, please do not use.
4. If allergic to light or taking light-allergic medicines, for example, tetracycline, please do not use.
5. Try to avoid looking in the eye of the lighting area when use.

### 注意事项

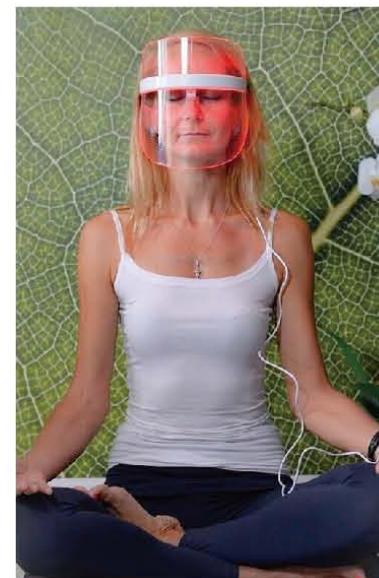
1. 孕妇与未成年人士慎用。
2. 部分光波长及频率可能引起癫痫，请勿使用。
3. 甲状腺患者及使用甲状腺相关药物者，请勿使用。
4. 光过敏及服用引起光过敏药物者（如四环素），请勿使用。
5. 使用过程中尽量减少眼睛直视发光区域（即灯盒部分）

### Mask Maintenance

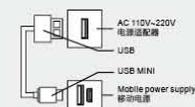
1. Use clear dry soft cotton cloth to wipe the surface gently in daily maintenance.
2. Do not use any solvent to clean the mask.
3. Do not disassemble the mask.
4. Please do not crush, throw, knock the mask and the power supply, keep power supply and lighting part dry.

### 面膜的保养

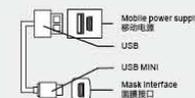
1. 日常保养使用干燥清洁柔软的棉布轻轻擦拭表面即可。
2. 请勿使用任何溶剂擦拭面膜。
3. 不可自行拆卸破坏面膜。
4. 请勿重压，挤压，敲击面膜及移动电源，勿将移动电源及灯盒部分洒水。



### Charge the mask 充电方式



### Use method 使用方法



## Methods of battery charging

如何给移动电源充电

Method one: Connect to the computer.

Take out the accessory cable of power supply, insert MICRO connector into DC-IN interface of power supply, and then connect the other end USB with the computer USB.

Method two: USB adaptor

Take out the accessory cable of power supply, insert MICRO connector into DC-IN interface of power supply, and then connect the other end USB with USB of DC 5V power supply.

方法1：连接电脑

将MICRO接头插入移动电源的DC-IN接口，另一端的USB接头与电脑的USB连接。

方法2：USB适配器

将MICRO接头插入移动电源的DC-IN接口，另一端的USB接头与DC5V适配器的USB连接。