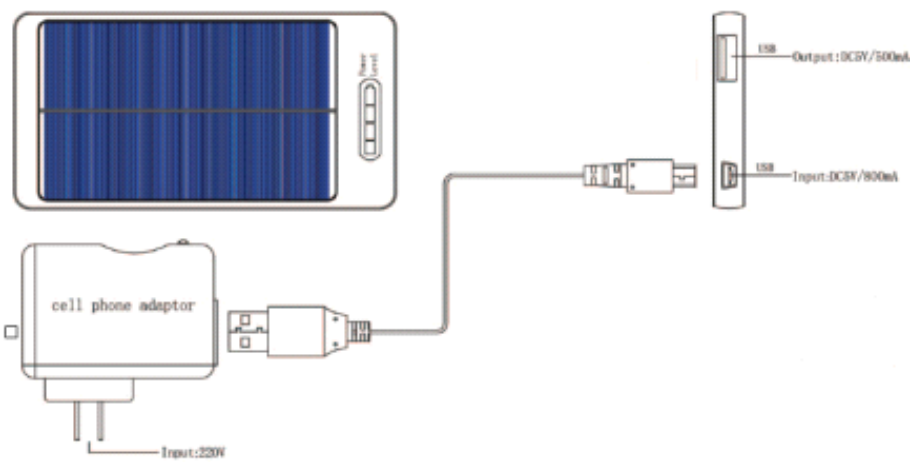
Solar Charger
User's Guide

太阳能充电器使用指南

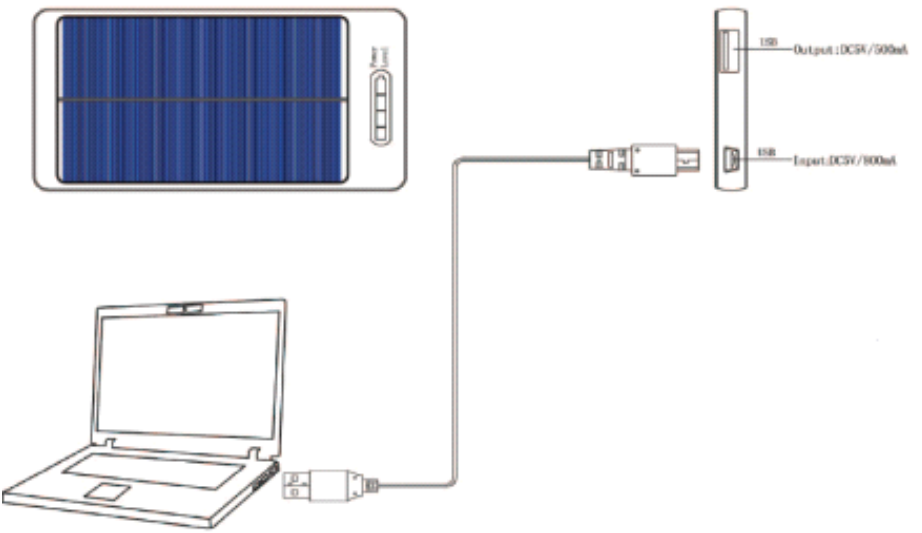
Charging your Charger

• Charging fromasmart phone adaptor

(Fig 1)



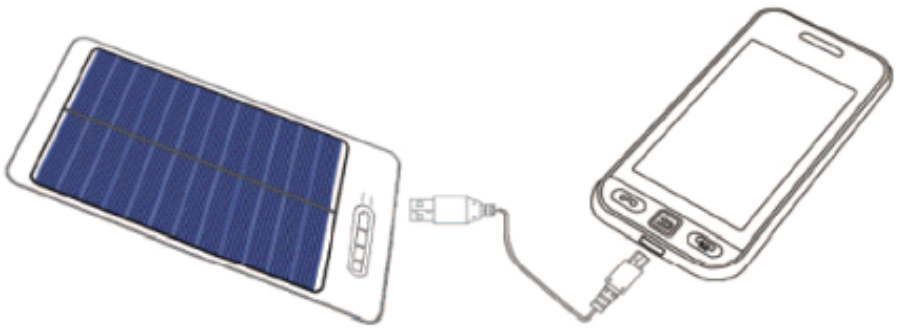
- Charging from a PC(fig 2)



- Charging by sun light (fig 3)

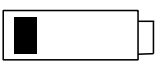
Charging your electrical device

Power Level Signal (fig 4)



Power Level Signal (fig 5)

LED illuminated	Power Available
1 case	0% to < 25 %
2 case	26% to < 50%
3 case	51% to < 75%
4 case	76% to 100%

Display				
Charging Status	100% ~75%	75%~ 50%	50%~ 25%	25%~ 10%

Electrical Characteristics/ Performance

1. Output Voltage: 5V
2. Output Current: 350~800mA

3. Solar Panel (multi/mono crystalline):
   6.0V/120mA (Max)
4. Rechargeable Lithium-ion Battery: 2200mAh
5. Time required delivering power from Solar Charger when charging a device: 30 to 45 minutes.
6. Time required charging Solar Charger's internal battery using the master cable. connected to a PC or laptop: 3 to 5 hours.
7. Time required charging Solar Charger's internal battery in bright sunny conditions using the solar panels: 10 to 18 hours.

Note-light quality and time of year play a key role in determining the speed of charge.

Cloudy days, the **winter** and Solar Charger being positioned behind a glass window will all dramatically increase the time needed to charge its battery.

Components Included:

1 xSolar Charger
1 x Master Cable
1 x Adaptor for Nokia mobile phones
1 x Adaptor for Samsung mobile phones
1 x Adaptors for Sony Ericsson mobile phones
1 x mini USB adaptor for Motorola phones, Blackberry, Iphones, and most smartphones, most GPS, Bluetooth headsets, PDA's.

Note:The Master Cable is used for both charging Solar Charger's internal battery from a connection to a computer's USB (using the mini USB adaptor) and also for delivering power from Solar Charger to charge a device.

Operation Instructions

1. To Charge solar charger's internal battery from a smartphone adaptor.

Insert the Mini USB tipinto the end of the Master Cable, then insert the Mini USB tip in to the Solar Charger socket (fig 1).Insert the USB plug on the other end of the cable into asmart phone adaptor.

LED indicator lights will turn blue. Solar Charger will be fully charged when the LED indicator lights light fully.

2. To charge Solar charger's internal battery from a PC.

Insert the Mini USB tip into the end of the Master Cable, then insert the USB plug on the other end of the cable into a PC, laptop or other suitable device (which is switched ON).Insert the Mini USB tip into Solar Charger socket(fig 2).LED indicator lights will turn blue. Solar Charger will be fully charged when the LED indicator lights light fully.

Note:Please do not leave the USB charger

cable plugged in overnight as damage to the battery may occur.

Important-This method of charging is recommended for the first charge from new and may take up to 8 hours.

3. To charge from the solar panel

   When Solar Charger is directed at daylight, LED indicator lights (fig 3)

   will illuminate. Charging will take place immediately and it will take as little as 10 hours in bright sunshine, with Pico positioned outdoors, to fully charge its battery.

Note:Be careful not to scratch the surface of the solar panels and do not clean them with any strong detergent.

4. To charge an electrical device from Solar Charger

Insert the USB end of the Master Cable into the Power Out socket (fig 4).Select the correct adaptor tip and insert into it the other end of the Master Cable.

5. Checking how much power is in Solar Charger's internal battery

To determine how much power is available in Solar Charger (using the Master Cable and tip or a device's sync cable). Upon connection, LED indicator lights will illuminate.

Note-If your device is not supported by one of

the adaptor tip's in this pack you can connect the USB sync/charge cable that was originally supplied with your device into Solar Charger Power out socket (fig 3). Finally insert the tip (from the Master Cable or a sync cable) into the device to be charged.

Warning

1. Keep Solar Charger from fire; water and any form of moisture to ensure damage and injury do not result.
2. Any severe shock or impact may result in damage to Solar Charger.
3. Do not dismantle Solar Charger or its internal components.

Frequently Asked Questions

1. My Solar Charger has been outside in the sun but when I connected to my device,it only charged for a short time and did not deliver much power?

   •Please ensure that the first charger is given by the USB cable.

   •Please ensure that Solar Charger is given exposure to sunny conditions for between 5 to 10 hours.

   •If Solar Charger is connected to a device that has a near full battery (if for example you were testing Solar Charger from new), Solar Charger would potentially , not deliver power because the

power in the device could be greater than that in Solar Charger. In such circumstances Solar Charger will not be able to deliver power. Wait until the device to be charged to 25% to 50% full.

2. How do I know Solar Charger is fully charged and can I use the power from Solar Charger even if it's not fully charged?

•You can use Solar Charger whether Solar Charger is fully charged or partly charged. To assess the power available you will need to connect it to a device and observe LED indicator lights.

3. What performance can I expect from Solar Charger?

•After 1 day, outside in full sun (8am to 6pm) Solar Charger will be pretty much fully charged. When connected to your device it will deliver power for 20 to 45 minutes depending on the device.

•If Solar Charger is positioned behind a window in sunny conditions, the time needed to fully charge Solar Charger's battery will be up to 3

days. The reason for this increase in time is that most glass

incorporates UV filters, which naturally reduce the amount of irradiation needed to enable the solar panel to operate effectively.

•In cloudy conditions, Solar Charger may take approximately 2 times longer to charge than the above mentioned times, but this is depending on the time of the year, density of cloud etc.

4. **Can I charge my Solar Charger from the sun while at the same time powering a device?**

•No. If Solar Charger is empty, you will not be able to simultaneously charge and deliver power. The reason is that

Solar Charger delivers power to a device approximately 10 times quicker than solar cell can charge up internal battery.

5. I have a device that can be charged via my computer's USB port-can Solar Charger charges it?

   •Yes, Solar Charger should be able to charge it.

6. Can I charge a laptop computer or notebook?

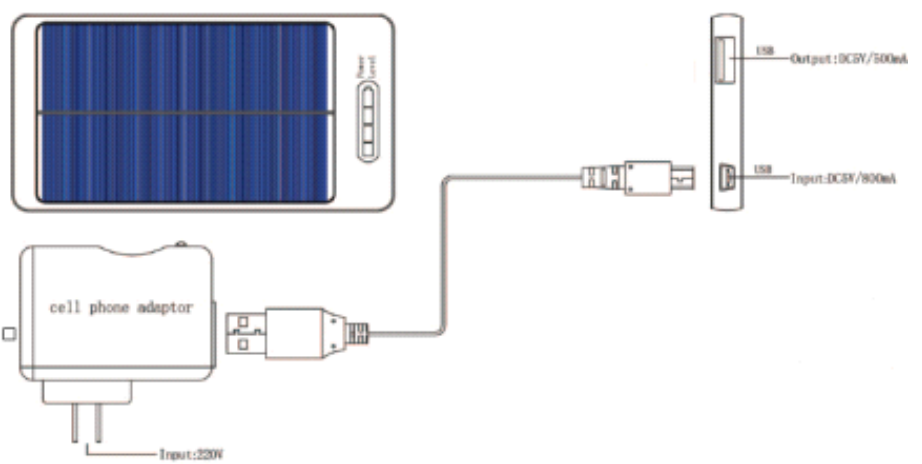
   •No, Solar Charger is not powerful enough to charge such devices. If a device has a voltage demand under 5V than Solar

Charger should be able to charge it.

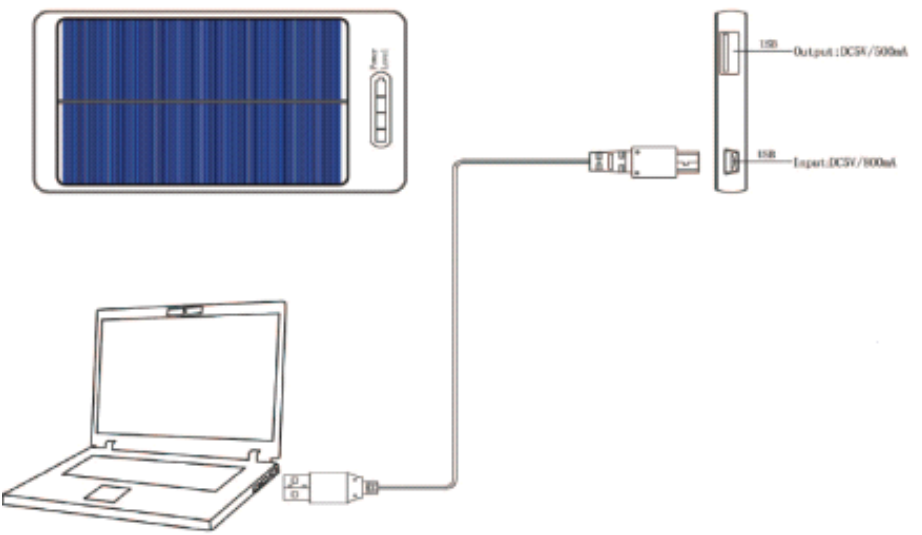
太阳能充电器充电方法

通过智能手机适配器充电

(图片 1)

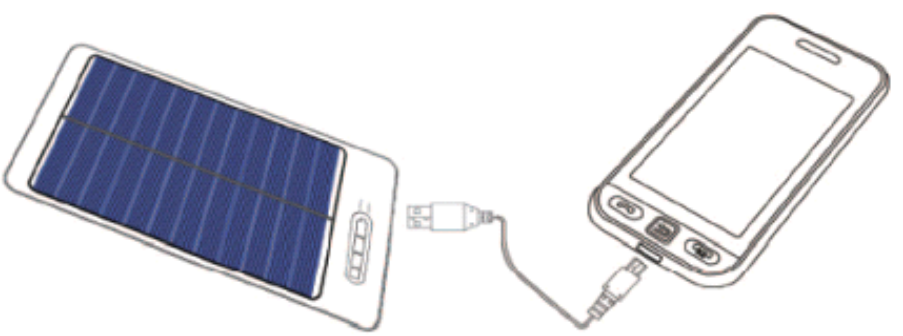


- 通过个人电脑充电(图片 2)



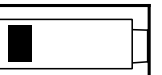
- 通过吸收太阳光能充电（图片 3)

通过太阳能充电器给手机充电 (图片 4)



电量指示(图片 5)

LED 灯亮	剩余电量
1 格	0% to < 25 %
2 格	26% to < 50%
3 格	51% to < 75%
4 格	76% to 100%

显示				
充电状况	100% ~75%	75%~ 50%	50%~ 25%	25% ~ 10%

电气参数

1.输出电压: 5V

2. 输出电流: 350~800MA

3. 太阳能板最大功率：6.0V/120MA
4. 可充电锂电池容量：2200MA
5. 太阳能充电器给用电设备充电时间:30-45 分钟
6.用电脑给太阳能充电器内部电池充满电需要 3-5 小时
7.通过吸收太阳光给太阳能充电器内部电池充满电需要 10-18 小时
注意：太阳光的强弱以及四季不同对充电速度影响显著，阴天、冬季或放置于窗外将极大的延长充电时间

里面的配置包括：

1 个太阳能充电器
1 个主连接线
1 个可充诺基亚手机的适配器
1 个可充三星手机的适配器
1 个可充索爱手机的适配器

1 个可充苹果手机的适配器

1 个适用于摩托罗拉、黑莓、IPHONE 以及其他智能手机、GPS 导航、蓝牙耳机、掌上电脑的迷你型 USB 接口适配器

注意：

主连接线既用于通过外部电脑 USB 接口给太阳能充电器内部电池充电，又适用于太阳能充电器给外部电器充电

操作指南

1.通过智能手机适配器给太阳能充电器内部电池充电：

将迷你型 USB 接口的一端插入主连接线，再将迷你型 USB 接口插入太阳能充电器的充电槽（见图 1），将线的另一端插上 USB 接口接入智能手机适配器。LED 指示灯会变成蓝色，当太阳能充电器的 LED 指示灯完全变亮时，表示太阳能充电器已充满电。

2.通过电脑给太阳能充电器充电：

将迷你型 USB 接口接入主连接线，再

将线的另一端插上 USB 接口接入个人电脑或其它装置（须处于开启状态）。将迷你型 USB 接口接入太阳能充电器的充电槽（见图 2）LED 灯将变蓝。当太阳能充电器的 LED 指示灯完全变亮时，表示太阳能充电器电已充满。

注意：不要将 USB 充电线整夜接入，否则将对电池有损害。

重要提示：这种充电方法推荐用于初次充电，需要充电长达 8 小时。

3.通过吸收太阳光能充电：

当太阳能充电器遇到日光，LED 灯就会变亮。（见图 3）充电立即进行，并且在光线好的条件下，置于室外，充满电需 10 小时。

注意：不要刮坏太阳能电池板的表面，不要用强洗涤剂清洗

4.用太阳能充电器给外部电器充

电：

将主连接线的USB接口插入太阳能充电器的电源输出槽(见图 4)。选择合适的适配器，将主连接线的另一端插入适配器。

5. 检查太阳能充电器电池中的剩余电量：查看太阳能充电器中的可用电量（用主线或者用电装置的同步电缆)。通过连接，LED 指示灯就会亮。

注意：如果包装里的适配器接口不适用于你的用电装置，你可以将自己的USB充电线接入太阳能充电器的输出槽（见图 3)。最后将另一接口（主连接线或同步电缆的）接入用电装置进行充电。

警告：1.太阳能充电器远离火、水以及其它任何潮湿，以防损害的发

生。

2.任何严重的震动或冲击将对太阳能充电器产生损害。

3.不要拆开太阳能充电器及其内部组件。

常见问题解答

1.我的太阳能充电器放在阳光下以后，拿回来对我的装置充电，为什么只能充很短的时间，且也没有充多少电？

（1）请确认第一次充电是否通过 USB 线缆充电的

（2）请确认太阳能充电器放置于阳光下是否有 5-10 小时

（3）如果充电器是给一个接近满电量的

装置充电（例如：你为了检验一下新充电器），太阳能充电器可能给不了装置充电，因为装置里的电量可能比太阳能充电器的电量多。这种情况下，太阳能充电器是不能对装置充电的，必须等到装置的电量在 25%-50%左右才行。

2.如何知道太阳能充电器是否充满电?在太阳能充电器未充满电的情况下可以使用吗？

在太阳能充电器充满或未充满的情况下都可以使用。查看剩余电量，你需要将其连入装置，查看 LED 灯的指示情况。

3.太阳能充电器会出现什么样的状况呢？

晴天，置于室外一天后(早上 8 点至 6 点)，太阳能充电器将充分充电。与装

置相连后，可以充电 30-45 分钟(与装置有关)。

如果太阳能充电器在阳光下置于窗后，充电时间需要延长至 3 天。因为大多数的玻璃会吸引紫外线，这将减少光线的照射，影响太阳能充电器对光能的吸收。

在阴雨天气，太阳能充电器可以需要接近上述两倍的时间进行充电，这也会因四季的不同及云层密度而异。

4.可以在阳光下一边给太阳能充电器充电，一边用太阳能充电器给装置充电吗？

不能。如果太阳能充电器内没有电了，你就不能边充电边放电了。因为太阳能放电的速度是内部电池充电速度的 10 倍。

5.如果有一个装置可以通过 USB 数

据线在电脑上充电，那么也可以用太阳能充电器给其充电吗？

可以的，太阳能充电器可以给它充电的。

6.是否可以用这款太阳能充电器给笔记本电脑充电？

不能。太阳能充电器还没有足够的容量去充这类装置。如果一个装置的电压低于 5V，那么就可以用太阳能充电器给其充电。