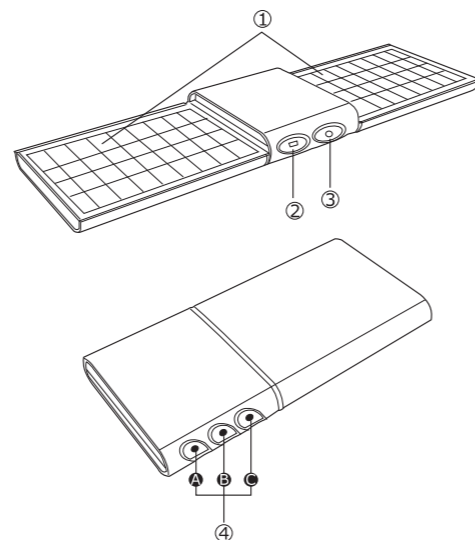


Free Loader

PORTABLE SOLAR ENERGY

User Manual

Portable Solar Energy
Model - SC8088



1. Solar Panel
2. DC IN
3. DC OUT
4. LED Indicator
 - A. Solar charging indication LED
 - B. USB charging and discharging LED
 - C. Solar charging indication LED

.1.

Electrical Characteristics / Performance

1. Solar Panel (mono/multi crystalline): 5.5V 120mA
2. Rechargeable Lithium Battery: 3.7V 1000mAh
3. USB charging cable: 5V 500mA
4. DC Output: 5.5V+/- 0.5% 500mA
5. Time required to charge a mobile phone: 1 to 2 hours
6. Time required to charge the FreeLoader internal battery using the USB charge cable: 2 to 3 hours
7. Time required to charge the FreeLoader internal battery using the solar panels: 5 to 6 hours

Components Included:

- 1 x FreeLoader charger
- 1 x USB charge cable
- 1 x Power Master cable
- 1 x Adaptor for Motorola mobile phone
- 2 x Adaptors for Nokia mobile phones
- 2 x Adaptors for Samsung mobile phones
- 2 x Adaptors for Sony Ericsson mobile phones
- 1 x 4mm jack plug for PSP, Tom Tom, digital camera etc
- 1 x USB 2.0 Female socket cable for iPod, PDA's etc
- 1 x Mini USB adaptor for Motorola RAZR etc, Blackberry etc

.2.

Operation Instructions:

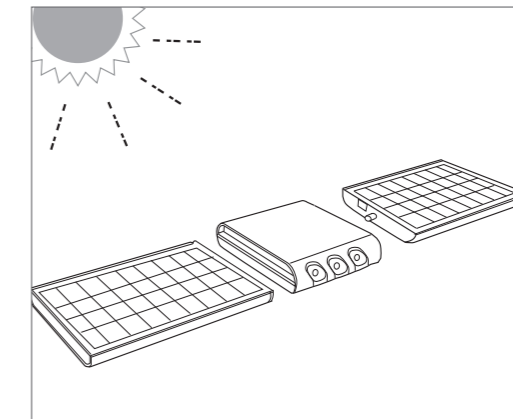
1. To charge from the solar panels

Detach the solar panels from the body of FreeLoader and separate the two halves exposing the face of each solar panel. The end of the solar panel that has the two locating plugs is then inserted into the side of FreeLoader's body - one solar panel each side.

When the solar panels are facing the sun, the two LED's (A and C) will turn green.

The brighter the light, the faster the charge.

Note - be careful not to scratch the surface of the solar panels and do not clean with strong detergent.



.3.

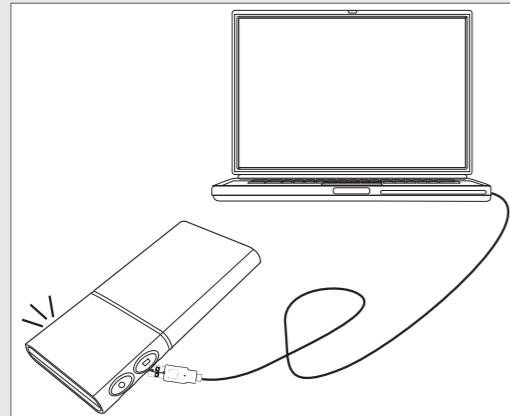
2. To charge using the USB charge cable

Insert the USB 2.0 plug into a desk top PC, lap top or other suitable device which is switched ON. Insert the other end of the cable (mini USB) into FreeLoader's body as shown below. The central LED (B) will turn red. Once fully charged the LED will turn green and the USB charging cable should be removed.

Once charged FreeLoader will retain its power for up to three months.

Note - do not leave the USB charge cable plugged in overnight as damage to the battery may occur.

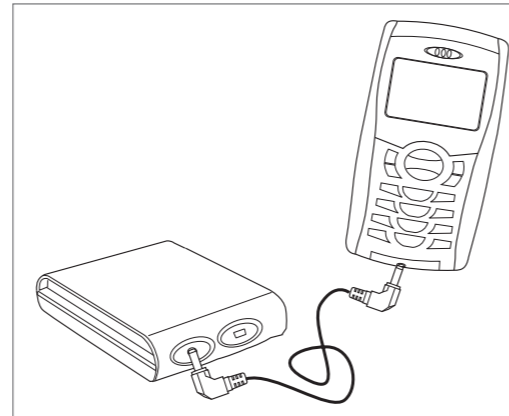
Important - This method of charging is recommended for the first charge from new.



.4.

3. To charge hand held electrical devices

Insert the male end of the Master cable into the female socket on FreeLoader's body. Select the correct adaptor tip, insert into the female end of the Master cable and connect to your device. The central LED (B) will turn RED. Once the device is fully charged or FreeLoader's battery is empty the LED will switch OFF.



.5.

To use FreeLoader as a charging hub

If FreeLoader is required to charge a device in an emergency but FreeLoader's battery is flat, you can simultaneously charge FreeLoader's battery by the solar panels (in sunny conditions) or by using the USB charge cable and power your devices.

In this case FreeLoader is acting as a charging hub and its advanced electronics will ensure your device is given the correct voltage.

Note - the Li-ion battery in FreeLoader has a life expectancy of 500 cycles or an average of 2 years. New/spare batteries can be purchased from your retailer or from Solar Technology International Ltd - see page 7.

Warning

1. Keep FreeLoader's body away from fire, water and any form of moisture to ensure damage and injury do not result.
2. Any sever shock or impact may result in damage and will invalidate the warranty.
3. It is forbidden to dismantle FreeLoader except by Solar Technology personnel or agents appointed by Solar Technology. Any sign of tampering will result in the warranty being invalidated.

Warranty

FreeLoader is supplied with a 24 month warranty, excluding the battery. Should a failure occur during this time Solar Technology International Ltd will repair or replace any faulty part, at its discretion.

Solar Technology International Ltd does not accept liability for any 3rd party damage how so ever caused or any costs associated with the return postage of faulty products.

To make a warranty claim please telephone Solar Technology International Ltd on +44 1242 210100.

These warranty conditions in no way affect your statutory rights. A full set of Solar Technology International Ltd terms and conditions are available on request.

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Optional Accessories

Solar Technology International Ltd are adding new adaptors and cables all the time to ensure FreeLoader keeps up to date with current developments. At the time of going to press the accessories below are available from your retailer or through www.solartechology.co.uk

- Part number SCA001 FreeLoader Spare battery
- Part number SCA002 Adaptor to suit iPod Nano, iPod Video etc
- Part number SCA003 Adaptor to suit Siemens BenQ mobile phones

If you require an adaptor for a product not listed please contact sales@solartechology.co.uk

Disposal of used FreeLoader's battery

Please dispose of FreeLoader's battery responsibly. Should you be unable to find a suitable waste disposal unit for the battery, please return this in a sealed plastic bag, contained in a padded envelope to Solar Technology International Ltd.

Solar Technology International Ltd

We are manufacturers of some of the worlds most advanced solar energy products from solar toys to full scale industrial solar modules. To find out more please visit www.solartechology.co.uk

If you have any questions about this product or regarding these instructions please contact the Solar Technology International Technical Help Line on +44 1242 210100 or alternatively please write to:

Solar Technology International Ltd, Unit 1, Malmesbury Road, Kingsditch Trading Estate, Cheltenham, GL51 9PL, UK

.7.