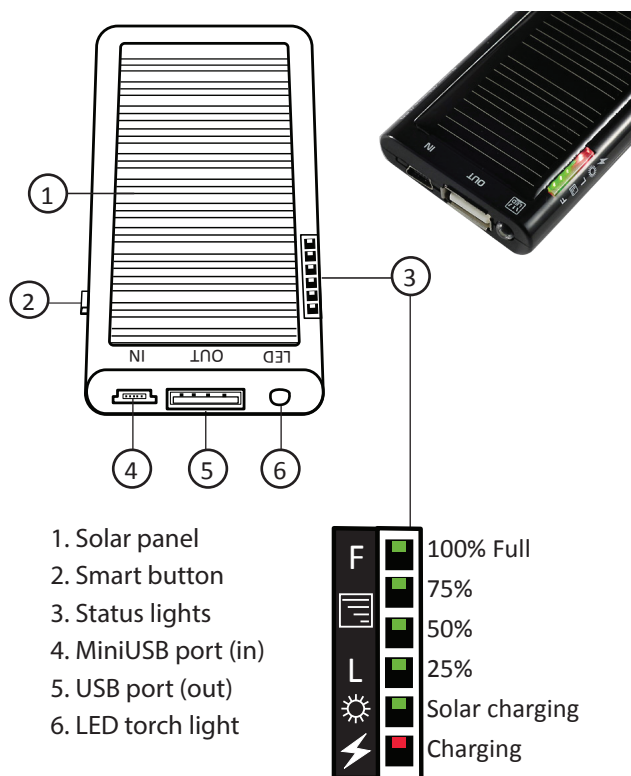## Features

USB output charger port
Solar or miniUSB input charging port
Fixed voltage constant current charging
LED Torch: normal, bright, flashing, SOS
LED status display: charging, discharging, battery level, low battery.

1. Solar panel
2. Smart button
3. Status lights
4. MiniUSB port (in)
5. USB port (out)
6. LED torch light

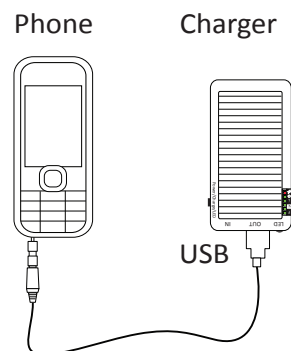| F | | 100% Full |
		75%
		50%
L		25%
☀		Solar charging
⚡		Charging

Out of the Box

Before the charger is used for the first time, it must be charged via a computer USB port or similar for at least 2 hours.

Instant Battery Power Check

Press the Smart button on the side briefly and the level of the internal battery of the charger will be dispayed on the status LED lights. During the output charging, press push button P/C to check battery power available in the unit. This will be indicated by the 4 status lamps which will illuminate for several seconds

Charging your mobile device

1. Connect your mobile device to the charger via the USB cable and the correct connector for your device.
2. Initiate charging with a 2 second press of the Smart button on the side of the unit. The red charging light will illuminate indicating charging in progress.
3. When the mobile device is fully charged, charging will terminate automatically and the red light will extinguish.
4. Charging can also be manually terminated at any time by pressing the Smart button for 2 seconds.

Phone   Charger

USB

Note 1: If the Smart button is pressed as above and no mobile device is attached or the device is fully charged, the charger will detect this and switch off charging after 30 seconds.
Note 2: If the charger battery level becomes low, the green LED will flash continuously for 5 minutes and the charging process will then terminate.
Note 3: In-built over-discharge protection prevents damage to the internal battery of the charger
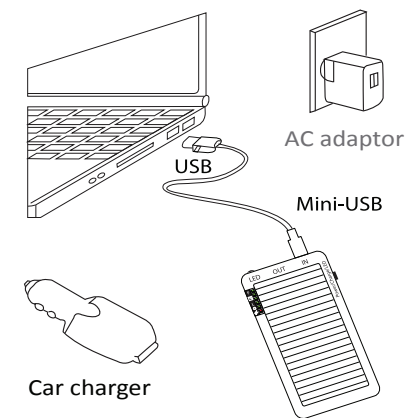
Charging via sunshine and USB

The internal Lithium ion battery is charged either from the sun or via its mini USB port.
a. Place directly under strong sunlight. A green light indicates solar charging.
b. Connect the charger using the USB cable supplied via the MiniUSB port of the charger to a laptop, PC, car charger or other USB source. Charging will start automatically.

Instant battery level will be shown on the four status lights. When all four lights stay on without flashing, the battery is fully charged.
During charging of the charger itself, the button is inhibited from use.
Note: Over-charge protection prevents damage to the internal battery.

AC adaptor
USB
Mini-USB
Car charger

Torch

1. The LED torch is operated by pressing the smart button for longer than 2 seconds.
2. The display will cycle through 4 display modes with each successive short button press:
     normal -> bright -> flashing -> SOS
3. Holding the button down will turn the torch off.

Storage

For extended periods of non-use charge to about 50% and store in a cool place ideally between 4ºC and 27ºC. Lithium batteries continue to slowly discharge (self-discharge) when not in use or while in storage. Check the charge status of an unused unit every 6 months to ensure at-least one lamp of charge charge is indicated. Re-charge if necessary.

Specifications

Solar Panel : 0.3W 5.5V   650mA
Battery : Rechargeable LIPO, 1200mAh
Cahrgeing cycles: After more than1000 charging cycles power level may drop to 80%
Input : 5V, 500mA, MiniUSB connector
Output : 5V, 650-750mA, USB connector
USB charging time (90%): 0-70 mins
USB discharging time: 0-50 mins
Operating environment: -20 °C to +50 °C
Storage environment : -20 °C to +55 °C (ideally between 4ºC and 27ºC to optimise battery life)
Weight: 52g
Protection: Short circuit, over-charge, over-discharge *

* When the battery level is very low, the protection mechanism will operate and discharge and the LED display will be disabled.

WEEE

This product is classed as Electrical or Electronic equipment and comes under the WEEE waste disposal and recycling requirements of Directives 2002/96/EC and 2003/108/EC within the EU. Please ensure that you dispose of this product responsibly using your local authority's recycling facilities or via your supplier for commercial customers.

Energenie is a trading name of Sandal plc, Claremont House, Deans Court, Bicester, UK, OX26 6BW
If you have questions, please visit us at
www.energenie4u.co.uk

Regulatory Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Re-orient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced technician for help.
• Changes or modifications to this unit not expressly approved by the party responsible for compliance will void the user's authority to operate the product.

CE

User Guide for

Solargenie Mini Charger

Model: ENER101