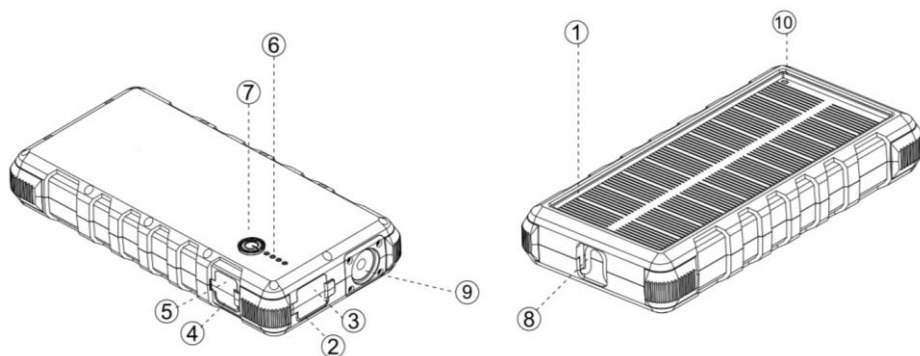


# SUNSAVER 24K USER MANUAL

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## Product Diagram



- |                                    |                              |
|------------------------------------|------------------------------|
| 1. Monocrystalline Solar Panel     | 6. LED Power Indicator       |
| 2. Output 1 – USB Type A           | 7. Power Button              |
| 3. Output 2 – USB QC 3.0           | 8. Carabineer Hook           |
| 4. Input 1 – Micro USB             | 9. 1-Watt LED Flashlight     |
| 5. Input 2 / Output 3 – USB Type C | 10. Solar Charging Indicator |

## Specification

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**Battery** – 24,000mAh, 3.7V (88.8Wh) (A-Grade Lithium Polymer)

**Solar Input** – 300mA, 5V (1.5W Max)

**Input 1** – 2.0A, 5V (10W Max)

**Input 2 / Output 3** – 3.0A, 5V (15W Max)

**Output 1** – 3.0A, 5V (15W Max)

**Output 2** – 3.0A, 5V / 2.0A, 9V / 1.5A, 12V (18W Max)

**Dimensions** – 180 x 89 x 30mm / 553g

**Operating Temperature** – 0 - 45° C

## Disclaimer

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For everyday use it is recommended to charge the 24K from with a USB power supply, to help extend the life of the battery.

Solar charging is subject to local geography and weather conditions and is recommended for emergency charging situations only.

It is normal for slight heating to occur when charging / discharging the 24K.

When not in use, store the 24K in a cool dry place. If not used for a prolonged period time, fully recharge the 24K with a USB power supply before use.

Due to conversion energy losses, the actual battery capacity is not equal to the stated chargeable capacity, as is the case with all rechargeable batteries.

As with all rechargeable batteries, the SunSaver 24K's battery life will slowly decrease over time, especially when the primary method for recharging is solar input, which is the case with any trickle charging of a battery.

Ensure the SunSaver 24K is not subjected to direct sunlight for an excessive period, as this may cause damage to the product.

Although the SunSaver 24K is capable of charging 12V devices, please understand the specific charging requirements for your 12V device before attempting to charge with the 24K.

Using the SunSaver 24K in any way other than advised by this User Manual may result in damage to the product or harm to its user.

SunSaver New Zealand is not responsible for any product failure, or damage to any other devices that may be a result of misuse or abuse to the product.

## Warranty

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1-Year warranty can be claimed by contacting: [sales@sunsaver.co.nz](mailto:sales@sunsaver.co.nz)

Warranty does not cover loss of battery performance due to age.






A valid receipt must be presented to claim the warranty.

## Operation

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### Checking the Power Level:

Press the Power Button to see how many of the indicator lights turn on:

Indicator Light Status	Approximate Power Level
	0%
	0 – 25%
	25 – 50%
	50 – 75%
	75 – 100%

When charging the 24K with a USB power supply, the approximate power level will be represented by a flashing blue light. If all lights are solid blue and none are flashing during charging, the 24K is fully charged.

### Charging your device:

When you have connected your devices charging cable to either of the 24K’s outputs, the 24K will automatically turn on and start charging your device.

The 24K will automatically turn off once your device is fully charged or disconnected.

### Charging the 24K:

There are 4 different ways to charge the 24K:

Micro USB Input	14 -15 hours
USB Type-C Input	11 – 12 hours
Micro and Type-C inputs	7 – 8 hours
Direct Sunlight	120 – 150 hours

*All quoted times are approximate and for reference only, actual time will vary because of many factors. Solar charging is intended for emergency charging situations only.*

## Using the LED Flashlight

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### To turn ON / OFF:

Press the Power Button to turn the 24K on.

Hold down the Power Button for 2 seconds.

### Caution Mode:

With the flashlight ON press the Power Button ONCE.

### SOS Mode:

With the flashlight ON press the Power Button TWICE.

## Warning

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**DO NOT** expose the 24K to extreme temperatures, such as on the dashboard of a car.

**DO NOT** attempt to charge the 24K in direct sunlight when the 4<sup>th</sup> power indicator light is on.

**DO NOT** attempt to dismantle the 24K.

**DO NOT** use the 24K if damaged.

**DO NOT** apply excessive force to the 24K.

**DO NOT** allow children to play with the 24K