E.LUMEN
Multifunctional 3W LED Flashlight
Important Safety Instructions

This manual contains important safety, installation, and operating instructions for the flashlight.

- Do not point the flashlight directly into a person’s eyes, as it may damage vision.
- Ensure that water or any other liquids do not come into contact with the flashlight. If this does occur, turn the solar flashlight off and pour out as much water as possible. Place the flashlight on a flat surface and let it dry in the sun.
- When the flashlight brightness is noticeably dim, charge the battery.
- Do not disconnect the solar panel or strike the flashlight casing. Doing so may cause a circuit failure and/or cause the photovoltaic silicon wafer to fracture. If this is to occur, problems with charging and illumination may arise.

General Information

Taking the standard flashlight to the next level, the E.LUMEN is one of the most reliable LED flashlights that is emergency ready. Equipped with a built-in battery and USB charger, the E.LUMEN is ready for multiple hours of lighting time while keeping your USB devices charged.

Key Features

- Robust and sleek design made of aluminum
- Powerful headlight lighting up to 200 meters
- 2000mAh Lithium-ion battery with charging indicators
- 3W Led Headlight and 2W LED Side lights for multiple lighting modes
- Vehicle Emergency ready with High-strength Alloy Glass Shattering Hammer and Seatbelt Cutter
- Equipped with side magnet for convenient mounting and compass when on the go
### Operation

1. Seatbelt Cutter  
2. Safety Hammer  
3. Power Button  
4. Side LED  
5. Solar Panel  
6. USB Output  
7. Battery Indicator  
8. Micro USB input  
9. Compass  
10. Head LED  
11. Magnet

#### Changing Lighting Modes

To change modes, hold down the power button for approximately 3 seconds. The flashlight will automatically display the first command under the respective lighting mode. In order to cycle through the additional lighting features simply press the power button once again. The flashlight will stay on the same mode until the user changes the mode manually.
Lighting Modes

The E.LUMEN features 3 distinct lighting modes. Within each mode users can cycle through the additional lighting features under the respective mode. You will also find approximate run-times for each of the modes.

1. Headlight
   - Bright (3-4 Hours)
   - Dim (5-6 Hours)
   - Strobe (5-6 Hours)
   - Off

2. White Floodlight
   - Bright (3-4 Hours)
   - Dim (6-7 Hours)
   - Off

3. Red Strobe Light
   - Fast Strobe (6-7 Hours)
   - Slow Strobe (6-7 Hours)
   - Off

Charging

Charge the E.LUMEN using solar or by using the included USB to micro USB adaptor. It will take approximately 30 hours to completely recharge the E.LUMEN (from 0%). If charging through the USB to micro USB adaptor, it will take approximately 6 hours to completely charge.

When charging through the USB port, the base by the port interface will turn red. Upon complete charge, the red light will turn off.

USB Output

The E.LUMEN is compatible with most portable digital devices such as mobile phone, MP3 / MP4, cameras, tablets, handheld game consoles, and conveniently charges them while you are on the go.

When the USB output is being used, a blue light will appear by the port itself. The E.LUMEN will turn off the blue light upon detecting that the battery is approaching low capacity and cut off any USB activity to protect the battery. Functionality of the LED light will remain active for approximately 30 minutes with the brightness reduced to 30% of the normal luminance.
HOW IT WORKS:
*Combine with Renogy E.FLEX for maximum solar charging experience

**Charging Times
USB – 6 Hours
Solar – 29 Hours
w/ Renogy 14W Efex – 6 Hours
## Technical Specifications

### General
- **Material**: Aluminum
- **Dimensions**: Length x Head (diameter) x Body (diameter)
  - 7.83 x 1.65 x 1.22 in
  - 199 x 42 x 31 mm
- **Weight**: 0.68 lbs. / 310 g
- **Protection**: IP54

### Battery
- **Type**: 18650 Lithium ion
- **Capacity**: 3.7V, 2000mAh
- **Protection**: Charging protection, low-capacity protection

### Solar
- **Cell**: Monocrystalline
- **Rating**: 5V, 50mA

### Ports
- **USB Output**: 5V, 1A Max.
- **Micro USB Input**: 5V, 0.55A Max

### LED
- **Headlight**: 3W, 200 lumens
- **White Sidelights**: 2W, 150 lumens
  - (10 x 0.2W white 2835 SMD LED)
- **Red Sidelights**: Wavelength 620-625
  - (10 x red 2835 SMD LED)
- **Lighting Distance**: 200 meters, headlight

### Dimensions

![Diagram of the flashlight showing dimensions]

Renogy reserves the right to change the contents of this manual without notice.

Revision: 9/13/2017