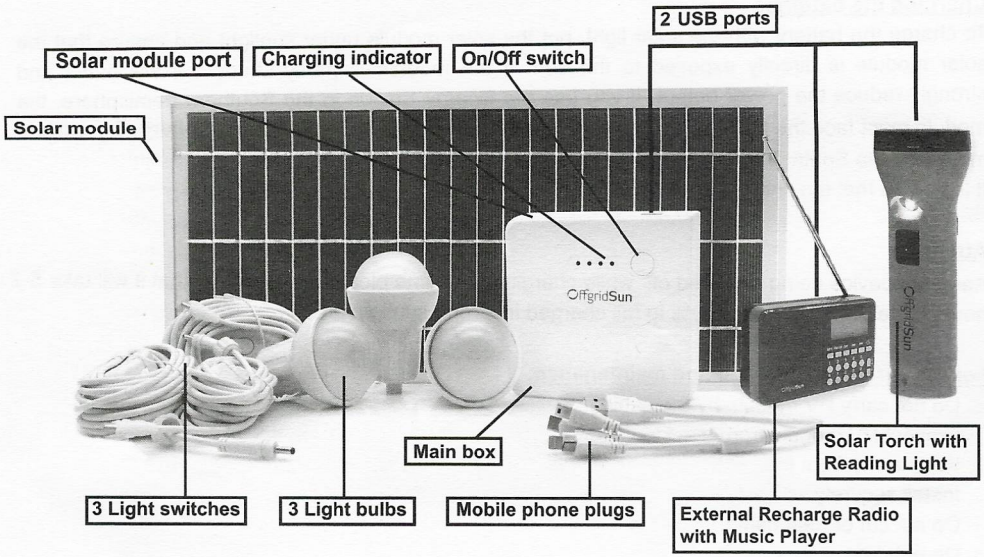
Offgridsun – Energy Station Premium

User's Manual

Thank you for your interest in Offgrid – Energy Station Premium solar home system.
The Energy Station Premium has been designed to meet your need for a reliable and affordable portable light and for charging mobile phones.



First use

Read the user's manual carefully before the first use.
The Energy Station must be fully charged before the first use. The indicator will become red when charging. Keep the device switched off when charging. Place the main box indoors and not close to flammable materials such as wood.
Press the On/Off Switch for 3 seconds to turn-on or turn-off the product.

General specifications

There are 3 light bulbs available. The battery duration depends on the number of bulbs switched on. For example, with full battery charged.

Number of light bulbs on	*Duration*
III	6 hours

Attention: The light source is high brightness LED with anti dazzling cover. Do not look at the light source directly.
Switch off the system when the indicator starts flashing. The solar module can be installed outdoors; connect it to the main box with the help of cable provided. Light bulbs can be placed in different rooms with the help of the standard 3/6/8 m cable included for each bulb.
Through the USB plug is possible to charge different types of mobile phone. Standard plugs included: 5-in-1 with micro USB, mini USB, iPhone 5/6 plug, Nokia plug, Type C.

System specifications

Photovoltaic Module	10W
Led Lights	2 x 2W+1 x 1W
USB Plug	To charge mobile phones or other applications
Rechargeable Battery	LiFePo4 6000 mAh – 6.4 V
Solar Torch	LiFePO4 3.2V/250mAh
Radio	Li-ion 3.7V/1500mAh

Charging the batteries

To charge the battery with the solar light, put the solar module under sunlight and ensure that the solar module is directly exposed to the sun. If the module is partly shaded, it will affect and strongly reduce the power output. If you use the Energy Station in the Southern hemisphere, the module must face the North; if you use the Energy Station in the Northern hemisphere, the module must face the South. Install the module by fixing it properly.
It is normal that the charger gets hot when being charged.

Attention

Keep the device being switched off while charging. Any time please bear in mind that it will take 5-7 hours to get the battery from 0% to full charged in strong sunlight area.

For the correct installation and maintenance:

- Do not carry PV module by the cable.
- Prevent PV module from cracking.
- Keep away from fire.
- Install securely.
- Do not cut or heat cable.
- Do not drop.
- Make sure that the product is not exposed to liquids.
- Clean dust or dirt on the solar panel with wet cloth.
- Charge it at least once a month to prolong the battery lifespan.
- The battery must be replaced after a certain number of years of use. This must be done by an authorized technician.

Recycling

Do not throw any of the components after discarding. To minimize pollution, please recycle them. All of the components used for manufacturing the system are recyclable. For more information visit http://ec.europa.eu/environment/waste/weee/index_en.htm

Warranty

The warranty period is 24 months after purchase. The warranty is invalid if the product is not used according to the user manual provided inside the device box (or in the website www.offgridsun.com).The warranty does not cover failures caused by wrong installation or use. The product must send back to Offgridsun, Riva del Pasubio 14, 35013 Cittadella (Pd).

Offgridsun is not responsible for any damage.

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