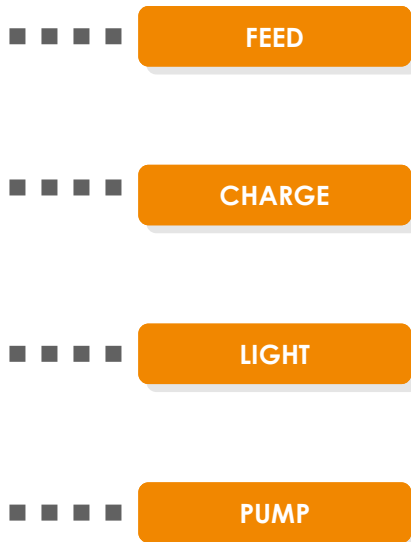


AUTONOMOUS PORTABLE SOLAR GENERATOR

**ENERGY
SAFETY
SURVIVAL**



ACCESSORIES



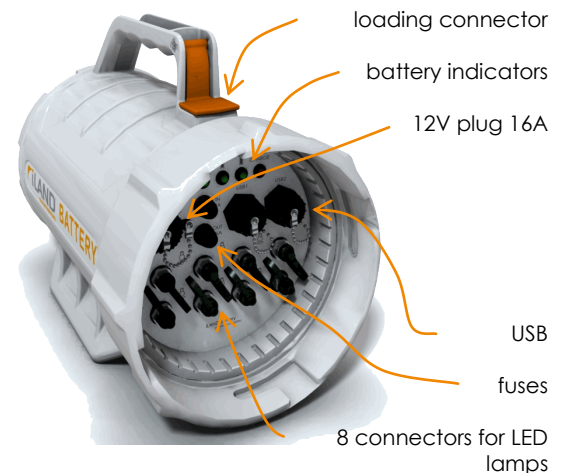
PRODUCTION OF DRINKING WATER



This electricity generation kit, with its battery and different connectors, is packed into an easily portable compact tube weighing less than 12 kg. A rollable, flexible solar panel fits inside with light-weight U-pins facilitating perfect set-up of the panel (on the ground, against a wall, hanging up or secured to the roof of a vehicle, etc.).

Installed in a few seconds, this totally autonomous energy source is capable of lighting your entire habitat, working a water pump (20-30 l/ min.) or simultaneously charging a computer, cell-phone, GPS or any other electrical/electronic device such as a refrigerator, for example.

Its technical features provide a multitude of applications in the field of energy, safety and survival (camping, caravanning, health centres, chalets, cabins, gardens, terraces, expeditions, exhibition tents, first-aid units, etc.).



loading connector

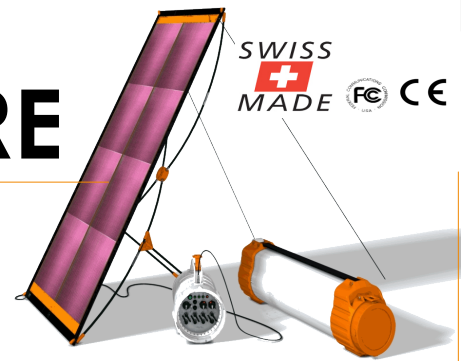
battery indicators

12V plug 16A

USB

fuses

8 connectors for LED lamps



SPECIFICATION SHEET

GENERAL CHARACTERISTICS

Tube size : 100cm x 19cm
Operating temperature range : -20°C to + 60°C
Total weight : 12kg
Quality : resistant to shocks, waterproof, unsinkable (military standards - IP67)
Loading time : 6-8 hours (Swiss conditions)

BATTERY

Technology : LiFePO4
Maximum voltage : 14.6V
Operating voltage : 12.8V
Operating capacity : 15Ah @25°C @ 0.2C
Operating current : 10A, max.16A
Peak current : 25A
Capacity : 16Ah
Lifespan of the batteries > 1000 cycles

LAMPS

Technology : LED
Maximum voltage : 15V
Minimal voltage : 10.5V
Operating voltage : 12.8V
Operating current : 350mA
Operating power : 4.4W
Lumens = 126 to 312 lm @25°C @350mA
T° Kelvin = 3500K

SOLAR PANEL

Technology : amorphous VHF technologies Flexcell
Power : 32 W
Operating voltage (V_{mpp}) : 15 V *
Operating current (I_{mpp}) : 1800 mA *
Open circuit voltage (V_{oc}) : 23 V *
Short circuit current (I_{sc}) : 2400 mA *
Dimensions : 642 mm x 1310 mm
Active part : 572 mm x 1220 mm
Thickness : 1.2 mm

Weight : 1500 g

Loading temperature : 0°C to +45°C

* measured @ Standard Testing Conditions (STC), 1000W/m², AM 1.5, 25°C

BASIC CONTENT

A tube with 2 parts;
Container : solar panel, case for LED lamps;
Battery pack : connector for 8 LED lamps, 2 USB, 1 universal socket, cigar lighter type.

OPTIONS

Additional LED lamps;
Water pump;
Extension leads for LED lamps and solar panel;
Adaptor for cigar lighter socket;
12V and 220V charger;
Autonomous LED lamp.

Other options : www.iland-solar.com

OUTPUT

USB port : current 500mA, voltage 5V
Universal cigar lighter connector : current 16A, voltage 12V

RECOGNITION BY THE SWISS ARMY ONGOING

PROBABLY THE MOST ECOLOGICAL DEVICE ON THE MARKET : 100% RECYCLABLE, NO DANGER OF USE (ACID, LEAD, GAS, ETC.), NO RISK OF POLLUTION EVEN AFTER YEARS OF USE.