

VIMPEX

iLand Everywhere - Solar System



Military

Business Continuity

Search & Rescue

Disaster Relief

Outdoor Pursuits

Emergency Backup Power

Water Purification

Remote Field Operations

Overseas Development

iLand Everywhere - Portable Solar Generator

Introduction

iLand Everywhere is a portable electricity generation kit consisting of a high efficiency panel and battery pack, with multiple connectors, which is all stored in a compact tube weighing less than 12 kg. The rollable, flexible solar panel fits inside the tube and has lightweight mounting fixtures allowing it to be easily installed in numerous locations, e.g. on the ground, against a wall, hanging up or secured to the roof of a vehicle.

Set up in a few seconds, this totally standalone energy source is capable of lighting your temporary work environment, working a water pump or simultaneously charging a computer, cell-phone, GPS or any other low-voltage electrical/electronic device.



Operation

The iLand Everywhere is extremely robust and resistant to water, dust and shocks. The battery and power distribution unit simply detaches from the top of the tube and is instantly available to power a host of different 12 V electrical devices. The battery pack can be fully recharged within 6-8 hours from the solar panel. The panel can operate in variable weather conditions and harsh environments and is easily assembled without the need for any technical knowledge.



The unit can be supplied with 4 high-intensity LED lamps providing a complete standalone lighting system. A variety of options are also available, including additional LED lights, water pumps, 12 V and 220 V chargers, extension cables and adaptors.

Features

- Fast and easy to setup – can be packed away in less than 5 minutes
- Lightweight solar panel suitable for variable weather conditions
- Allows multiple devices to be powered at the same time
- Lifetime up to 1000 full charge/discharge cycles
- Extremely robust – ideal for rugged outdoor environments
- Fully protected against water, dust and shocks
- Includes LED lighting system
- No maintenance required
- Can be stored for several months without discharging
- 100% Recyclable – Environmentally friendly, no risk of pollution even after years of use



Applications



- Military field operations
- Search & Rescue
- Business continuity – emergency backup power
- Overseas development and disaster relief
- Water pumping and purification
- Expeditions and outdoor research
- Outdoor pursuits



iLAND[®]
EVERYWHERE



Specification

General

Tube size:	1000 x 190 mm
Operating temperature:	-20°C to +60°C
Total weight:	12 kg
Physical:	resistant to shocks, waterproof, unsinkable (Military Standards - IP67)

Battery Pack

Technology:	LiFePO4
Recharge time:	6-8 hours
Maximum voltage:	14.6 V
Operating voltage:	12.8 V
Operating capacity:	15 Ah @25°C
Operating current:	10 A, max. 16 A
Peak current:	25 A
Capacity:	16 Ah
Lifespan of the batteries	> 1000 charge/discharge cycles

Lights

Technology:	LED
Maximum voltage:	15 V
Minimal voltage:	10.5 V
Operating voltage:	12.8 V
Operating current:	350 mA
Operating power:	4.4 W
Output:	126 to 312 lumens @25°C @350 mA
Colour temperature:	3500 Kelvin

Solar Panel

Technology:	amorphous VHF technology Flexcell
Power:	32 W
Operating voltage (Vmpp):	15 V *
Operating current (Impp):	1800 mA *
Open circuit voltage (Voc):	23 V *
Short circuit current (Isc):	2400 mA *
Dimensions:	642 x 1310 mm
Active area:	572 x 1220 mm
Thickness:	1.2 mm
Weight:	1500 g
Operating temperature:	0°C to +45°C

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

Standard Contents

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

Options

Additional LED lamps
Water pump
12 V and 220 V charger
Standalone LED lamp
Nanopure Water Purification Kit
Adaptor for cigarette lighter socket
Extension leads for LED lamps and solar panel



About Vimpex

Established for 18 years, Vimpex are specialist suppliers of fire fighting and rescue equipment as well as accessories and associated products to the emergency services (EMS), police, fire, USAR and military markets.

We are sole European distributor for the Ogura range of battery powered hydraulic cutting, spreading and forced entry equipment and the Robopak battery backup system.

Vimpex staff are trained in the demonstration, service and repair of all tools and equipment we sell. We are European warranty repair and service agent for all Ogura rescue and industrial tools.

We are active members of several trade bodies including FIRESA, ADS and the FIA. Our management systems, sales activities and service and repair operations are all accredited to ISO9001:2002.



Quality System Certificate No. 456
Assessed to ISO 9001:2000



Vimpex Limited

Star Lane, Great Wakering
Essex SS3 0PJ England
Tel: +44 (0) 1702 216999
Fax: +44 (0) 1702 216699
E-mail: sales@vimpex.co.uk

www.vimpex.co.uk

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Shaping Alarm Technology