



Social Energy

2020





Mission Statement

Our mission is to provide high quality green technology that will benefit both our customers and the environment.

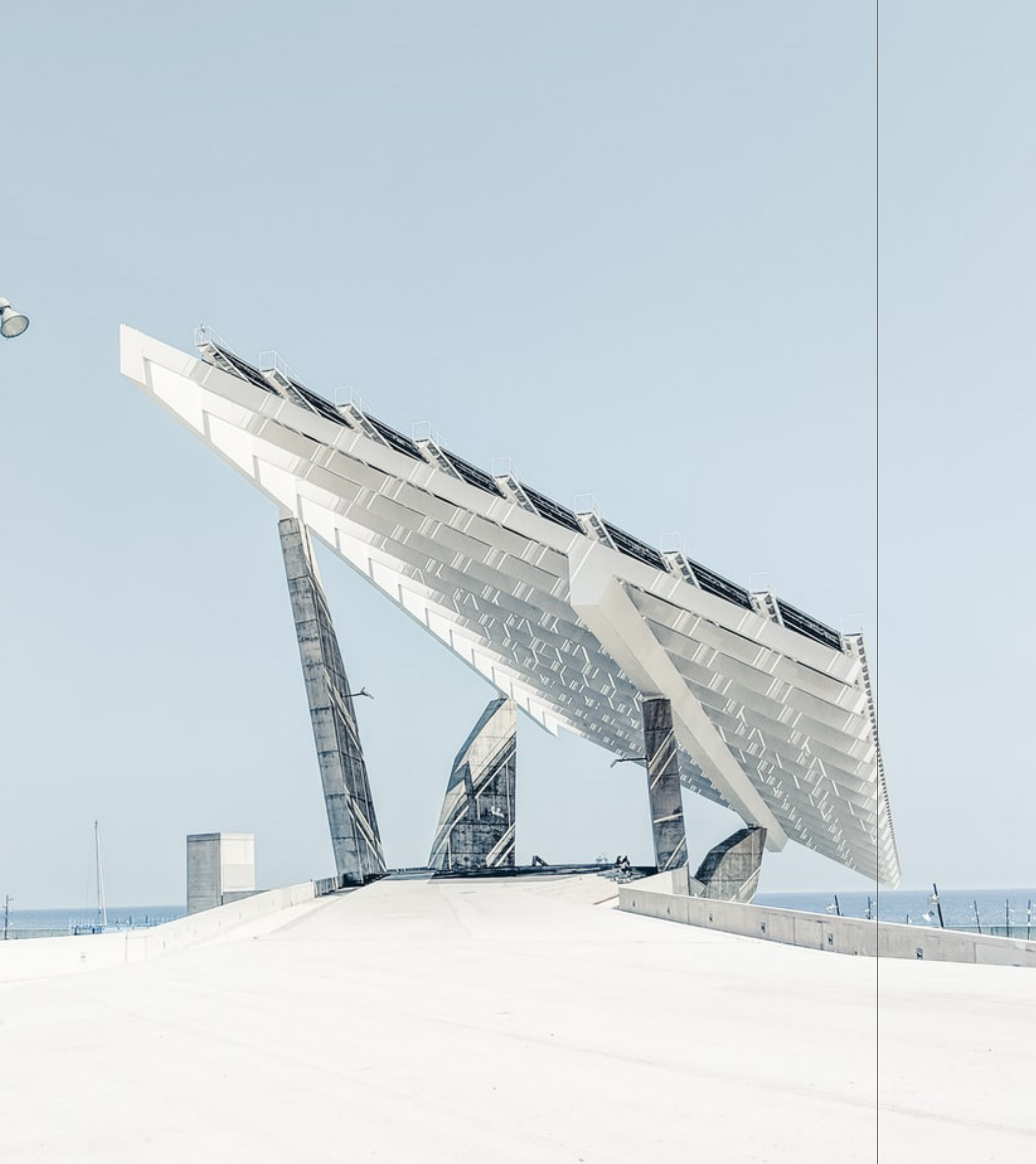
We will achieve this by innovative design, high standards in production and great value for money within the world of renewable energy.

About Us

Established over 20 years ago, Sunsynk® is part of the Global Tech China Group and is based out of Hong Kong with manufacturing and design bases in Ningbo, China. We are closely partnered with the Science Department of Ningbo University where our technology is jointly developed. The company has approximately 80 staff working on our projects at any one time.

Our key products fall within the categories described in this catalogue with further information appearing on our website; www.sunsynk.com. The Global Tech China Group was founded in 2004 and is a Hong Kong registered company made up of British & Chinese engineers. The company has over 30 registered patents covering a wide spectrum of products some of which, have directly influenced the development of electrical appliances within the world since 2004.

Currently, Sunsynk exports to over 20 countries including South Africa, Philippines, Thailand, Australia New Zealand and United Kingdom where solar lighting and power storage products have proven to be very popular.



What is Solar Power?

Solar power is the use of the sun's energy by employing photovoltaic cells in solar panels and transparent photovoltaic glass to generate electricity. A photovoltaic cell (PV cell) is a specialised semiconductor diode that converts visible light into direct current (DC). These cells are an integral part of solar-electric energy systems and in order to increase the gathering of energy, large sets of PV cells can be connected together to form solar modules, arrays, or panels.

One of the major advantages of photovoltaics is the fact that it is non-polluting, requiring only real-estate (and a reasonably sunny climate) in order to function. Another advantage is the fact that solar energy is unlimited.

Once a photovoltaic system has been installed, it can provide energy at essentially no cost for years, and with minimal maintenance. Following the gathering of power from the solar panels, there are three other key pieces of equipment that change gathered power to direct current. A basic solar-power system has some key components.

These are;

- The Solar Panel - to collect power from the sun.
- The battery or storage device.
- The Inverter- this converts the DC power to AC power. (AC power is used in most appliances)

Up until recent years, the industry manufacturing solar products has been unable to store sufficient power to benefit general day-to-day tasks. This has all changed since the arrival of Lithium-Ion and Lithium-Phosphate batteries and advanced electronic systems to economically manage the storage of power safely.



Solar TV SAT Converter

SVC 011

Combining both solar and LED technology

2 x 3 AMP constant 12.5V for powering TV or sat Box (Driven from a 72W micro- inverter)

A PORTABLE POWER PACK

Charged by three 15W solar panels to provide a massive 162Wh of power to a normal DC satellite box and TV.

It is rugged, scratch and UV resistant with two built-in USB sockets that can be used to charge mobile phones or mini-power banks. In good sunshine it will take 5 hours to be fully charged and ready run the average satellite TV system for up to 6 hours.

Solar TV Sat Converter

System Voltage	12V
Battery Size	13.25 A
Lamp Wattage	3Wh
Lumen	<300 Lumen
Cable Length	3 Metre
Solar Panel	3 x 15 Watt Solar Panels
Type	Conventional
Battery Type	Lithium Ion
CRI	>85%
Size	343cm x 343cm





Solar Phone Chargers

Portable energy, anywhere, anytime.

Lightweight and portable solar panels made from polycrystalline silicon are waterproof, scratch and UV resistant with built-in USB socket that can charge mobile phones or mini-power banks.

The panels are durable and can withstand everyday wear-and-tear. The panels are durable and can be stood on or dropped and still work

fine. In direct sunlight it will take 5 hours to charge the average smartphone.

Features

- Portable
- Includes USB charger output
- LED charge indicator
- IP65



Flex Solar Charger Includes:

- 2W laminated polycrystalline silicon
- 15.2 x 11.9 x 0.2cm
- USB port
- LED indicator light

Order Code: F2WPC



Solar Charger Includes:

- 2W glass polycrystalline silicon
- 16.8 x 14 x 1.7cm
- Frame with stand
- Hook hole to hang up
- 3 metre cable

Order Code: 2WPC



Solar Charger Includes:

- 5W glass polycrystalline silicon
- 15.2 x 11.9 x 0.2cm
- USB Port
- Hook hole to hang up
- LED Indicator Light

Order Code: 3WPC



Solar Charger Includes:

- 10W glass polycrystalline silicon
- 16.8 x 14 x 1.7cm
- Frame with stand
- Hook hole to hang up
- 3 metre cable

Order Code: 10WPC



Power Bank 300

Do it yourself solar kit with our plug and play off-grid system

Take advantage of our DIY off-grid system which is simple to install and will provide useful power where you need it!

The Power Bank 300 is an all-inclusive solar power system that can store enough power to run your TV or fan for 10 hours on a single charge. Can funny charge in 5 hours.

The kit includes two x 100W Solar Panels, a 1KW battery storage system with built-in inverter plus all the mounting and connecting kit you will need to get going! The Power Bank 300 is a self-contained solar power system with everything you need contained in one box. It is easy to set-up and the assistance of an electrician is not required.

This is a great entry-level product for people who want to get into solar but are not quite sure on what equipment they need. It is simple to use and once installed will provide both AC and DC (as required) to run TVs, computers, lights, fans and any other appliances within its operating limits.

The unit can power a mixed load of up to 300W and a battery storage of 1000Wh.

The unit is equipped with temperature control and overload protection while each battery is protected by a PCM card.

The Power Bank 300 can be set to operate in two modes; 24 hours or in the UPS mode where it only operates at night or when other power supplies are cut.

The Power Bank 300 can be purchased along with our 32" AC TV and/or with our 16" oscillating fan (stand version).

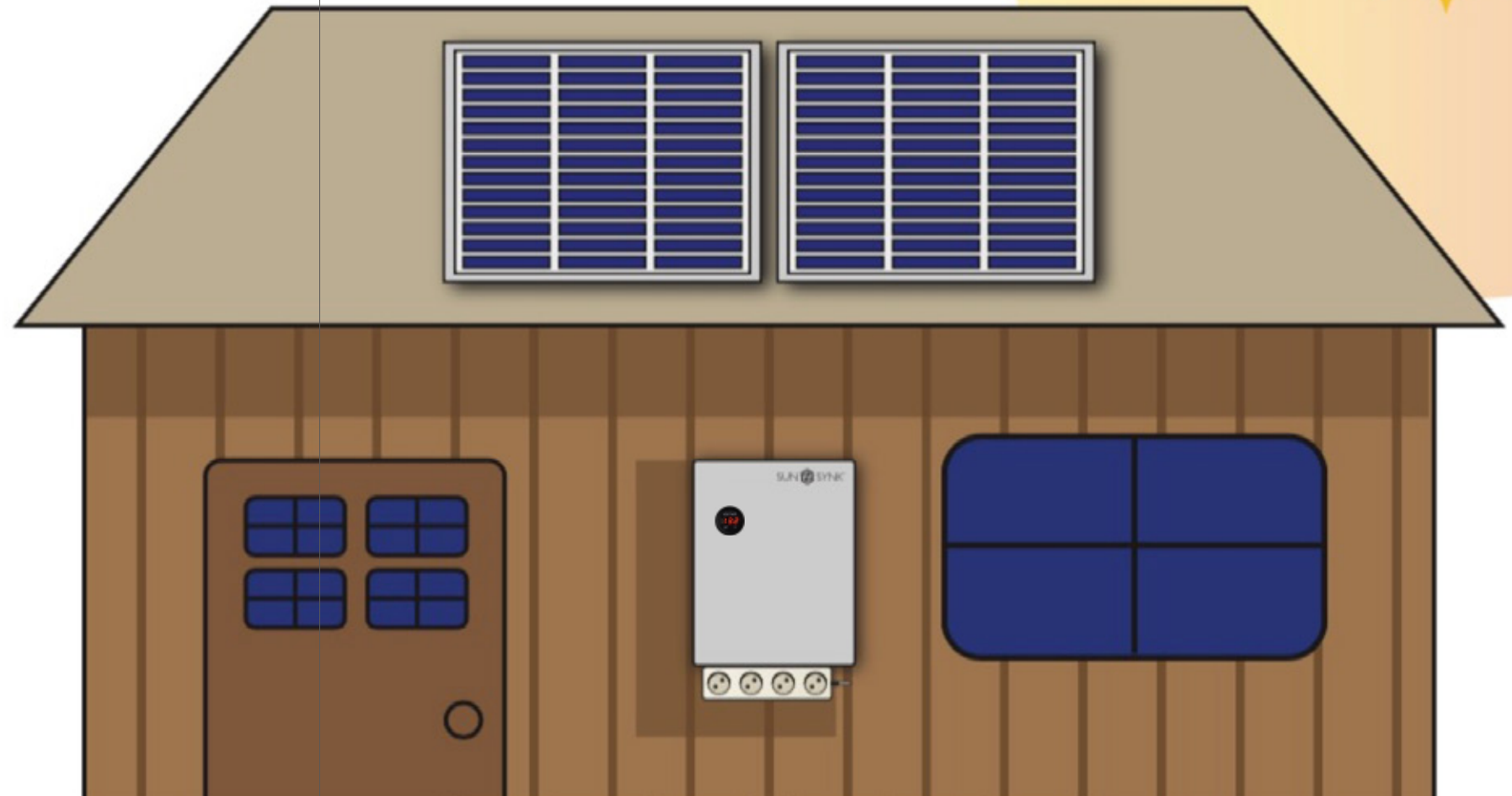
Features

- User resettable over current protection
- Waterproof battery status meter
- 230V AC 50Hz inverter
- Lockable cabinet (key included)
- Uses 2 x 100W solar panels just direct connect to charge batteries
- Each battery has its own BMS
- Logic controller for night operation (optional)

Power Bank Includes:

- Mains unit PB300 with built-in inverter & charge controller
- 250Wh lithium battery
- AC connector
- Solar connector
- 12V out connector

Order Code: PB300





DC Systems

Have light anywhere and anytime with our solar powered Light Kits. They come with their very own power banks.

No mains power is required. Easy to set-up, plug-and-play. No electrical knowledge required. Lightweight with their own built-in Lithium-Ion battery pack. The power banks are charged by solar panels. Each kit comes equipped with either 2 or 4 lights attached to 3 metre cables with in-line switches.

Consistent current, good stability with illumination maintained above 300 lumens per lamp. East-to-see battery status plus extra USB outlets for charging mobile phones. No mains power is required. Easy to set-up, plug-and-play. No electrical knowledge required.

DC 2 Light Kit: Includes

- Two 300 Lumen LED light bulbs
- 3 metres of cable (with in-line switch)

Order code: DC 2 LIGHT KIT

DC 4 Light Kit: Includes

- Four 300 Lumen LED light bulbs
- 3 metres of cable (with in-line switch)
- Two 5W silicon solar panels

Order code: DC 4 LIGHT KIT



USB Light Bulb

3 Watt light fitting with 3-metre cable with built-in, in-line switch and DC Jack. It is portable & lightweight includes 3 meter cable.

3W LED Light Bulb

Lumens	300
Colour	White
CRI	85%
Colour Temp	5400K



Rechargeable Handy Light

This small and lightweight re-chargeable 'Handy Light' includes a lithium-ion battery, a USB charging port and a charging cable.

Anywhere and anytime

Manufactured out of tough polycarbonate with an aluminium substrate, drop tested to 2 metres. Variable illumination is controlled by the ON/OFF switch to help extend battery life for prolonged usage.

Powerful and cutting-edge technology

Lithium-ion battery technology enables the light to be used in a wide range of locations where mains supply is unavailable or unreliable. The Handy Light is a portable floodlight with a rugged construction and long lasting battery life. Lightest in its class, the Handy Light is convenient for any location where you find a need for illumination.

Features:

- Extremely reliable
- Utilises the latest LED technology for long life-span.

8W Light Includes:

- 1 x 8 Watt rechargeable light
- Charged by mains adapter
- 2M cable
- 10Wh li-ion rechargeable battery
- Gift box & instruction manual

Order code: S2RJL8W

16W Light Includes:

- 1 x 16 Watt rechargeable light
- Charged by mains adapter
- 2M cable
- 20Wh li-ion rechargeable battery
- Gift box & instruction manual

Order code: S2RJL16W



Pocket Power Station

Power To Go

A portable power device; the Sunsynk Pocket Power Station has similarities to other power packs in its outlook, however underneath its shockproof shell is a totally different device which can provide mains power to 3-4 devices for 5 hours once fully charged.

FOR ENVIRONMENTS WHERE MAINS POWER IS NON-EXISTENT

It comes in two versions that deliver either 110V or 230V AC power. It can be charged by either solar panels, mains power or DC battery power.

The Pocket Power Station 1 (with 1 battery pack) can deliver 150W for one hour or 40W for four hours. The Pocket Power Station 2 (with 2 battery packs) can deliver the same for double the duration.

PPS1 Kit Includes:

- 100 Watt 240V
- 100Wh rechargeable li-ion Battery
- Mains charger
- USB charging cable
- Carry case

Order code: PPS1

PPS2 Kit Includes:

- 200 Watt 240V
- 200Wh rechargeable li-ion Battery
- Mains charger
- USB charging cable
- Carry case

Order code: PPS2





Foldable Solar Panel

Our light-weight and foldable solar panels are also a perfect addition to our Pocket Power Station range.

Three solar panels fitted into a black cordura fabric wallet with a Velcro seal, which is highly durable and portable. The foldable panel benefits the power stations by producing solar power anywhere in the world therefore giving the user unlimited access to electricity in areas off the grid.

The 35 Watt panel can fully charge the Pocket Power Station 1 (with a 150W battery pack) in 4.5 hours of good sunshine.

WORKS PERFECT WITH THE PPS1 & PPS2

This makes the panel a useful item to have when travelling with your Pocket Power Station especially when camping or working in the outdoor environment. Made with polycrystalline cells in a black cordura fabric wallet.

35 Watt Solar Panel

35W Monocrystalline Solar Panel

Two-metre connecting cable with DC jack (multiple/universal sizes)

Fitted within a foldable cordura wallet

Can fully charge a Pocket Power Station 1 in 4.5 hours of good sunshine. (150W Battery Pack)

Order Code: PPSOL35

100 Watt Solar Panel

100W Monocrystalline Solar Panel

Two-metre connecting cable (with DC jack)

Fitted within a foldable cordura wallet.

Can fully charge a Pocket Power Station 1 in 2 hours of good sunshine. (150W Battery Pack)

MC4 Connectors

3 x USB charging ports

Order Code: Sun100B





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Want to become a distributor? Or want to know more?

Email us: sales@globaltech-china.com Our website: www.sunsynk.com

GT website: www.globaltechchina.com

