

solageo 2010 catalog
environment
sector

At Trade Without Borders

our focus is on bringing practical product solutions that benefit individuals, households, and entire communities in developing regions of the world.

We are able to do so by leveraging our core competencies in manufacturing, product procurement, product development, and global supply chain management-- and collaborating with a growing network of partners around the globe.

We welcome you to browse this catalogue... let us know if our current product solutions meet your needs... or advise us of how we can better meet an unmet need... most importantly, come partner with us in creating sustainable development through inclusive trade.



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SOLAR CHARGING SOLUTIONS

PORTABLE/LAPTOP CHARGERS

MOBILE PHONE CHARGERS

BATTERY CHARGERS

Key Ring Solar Mobile Phone Charger

TWB-SC-CDC13



KEY FEATURES

- Convenient emergency charging
- Compact and portable
- Output voltage: 5.5 V
- Output current: 500mA



Battery
Lead-acid battery
3.7V 1000mAh



Solar Panel
0.25W



Charging Time
4-5 hours

SOLAR CHARGERS

TWB-P0202A-00

Mini Solar Mobile Phone Charger



KEY FEATURES

- Ideal for short term or emergency charging
- Compatible with mobile phones, PDAs, mp3s, and Ipods
- Output voltage: 5V
- Convenient charging by solar or USB power

ACCESSORIES

- 3 mobile phone plugs compatible with:



Motorola V3
Nokia N Series
Sony Ericsson K750

- USB cable

BATTERY CHARGING TIME



Solar Panel
0.4W



Battery
Lithium Polymer
3.7V/600mAh



USB
3.5 hours



Solar Power
16 hours

TWB-P0201A-00

Single Panel Solar Mobile Phone Charger



KEY FEATURES

- Fully charge your mobile phone
- Output voltage: 5V
- Compatible with mobile phones, PDAs, mp3s, and Ipods
- Convenient charging by solar or USB power

ACCESSORIES

- 3 mobile phone plugs compatible with:



Motorola V3
Nokia N Series
Sony Ericsson K750

- USB cable

BATTERY CHARGING TIME



Solar Panel
0.55W



Battery
Lithium Polymer
3.7V/1000mAh



USB
3.5 hours



Solar Power
15 hours

SOLAR CHARGERS

TWB-P0200A-00

Dual Panel Solar Mobile Phone Charger



KEY FEATURES

- Fully charge your mobile phone
- Output voltage: 5V
- Compatible with mobile phones, PDAs, mp3s, and Ipods
- Convenient charging by solar or USB power

ACCESSORIES

- 3 mobile phone plugs compatible with:



Motorola V3
Nokia N Series
Sony Ericsson K750

- USB cable

BATTERY CHARGING TIME



Solar Panel
2 pcs x 0.55W
=1.1W



Battery
Lithium Polymer
3.7V/1300mAh



USB
4.5 hours



Solar Power
12 hours

Hybrid Mobile Phone Charger

TWB-USB-5000



KEY FEATURES

- Fully charge your mobile phone
- Output voltage: 5V
- Compatible with mobile phones, PDAs, mp3s, and Ipods
- Convenient charging by solar or USB power

ACCESSORIES

- USB cable
- 6 plugs

BATTERY CHARGING TIME



Solar Panel
0.45W



Battery
Ni-Mh AA batteries
1.2V/2100mAh



USB
3-4 hours



Solar Power
12 hours

SOLAR CHARGERS

TWB-SC-WP02

Single Panel Waist Pouch Solar Mobile Phone Charger

KEY FEATURES

Handy carrying pouch

ACCESSORIES

- USB to DC jack with retractable 0.8m cable
- DC to DC retractable 0.8m cable
- 10 cell phone adapters



BATTERY CHARGING TIME



Solar Panel
0.7W



Battery
Li - ion battery
3.7V 2200mAh



USB
4 - 5 hours



Solar Power
17 - 18 hours

Dual Panel Waist Pouch Solar Mobile Phone Charger

TWB-SC-WP03

KEY FEATURES

Handy carrying pouch

ACCESSORIES

- USB to DC jack with retractable 0.8m cable
- DC to DC retractable 0.8m cable
- 5 cell phone adapters



BATTERY CHARGING TIME



Solar Panel
1.3W



Battery
Li - ion battery
3.7V 2200mAh



USB
4 - 5 hours



Solar Power
13 - 14 hours

SOLAR CHARGERS

TWB-SC-NBP01

Backpack Solar Charger

KEY FEATURES

- Conveniently charges multiple devices on the go
- Solar panel integrated into backpack

ACCESSORIES

- USB to DC jack with retractable 0.8m cable
- DC to DC with retractable 0.8m cable
- 5 cell phone adapters



BATTERY CHARGING TIME



Solar Panel
2.8W



Battery
Li - ion battery
3.7V 2200mAh



USB
4 - 5 hours



Solar Power
8 - 9 hours



Bicycle Bag Solar Charger

TWB-SC-CDC18

KEY FEATURES

- Attaches to your favorite two-wheeler
- Integrated solar panel

ACCESSORIES

- USB to DC jack with retractable 0.8m cable
- DC to DC with retractable 0.8m cable
- 5 cell phone adapters



BATTERY CHARGING TIME



Solar Panel
1.3W



Battery
Li - ion battery
3.7V 2200mAh



USB
4 - 5 hours



Solar Power
13 - 14 hours



SOLAR CHARGERS

Portable Solar Charger

TWB-09-L-06

KEY FEATURES

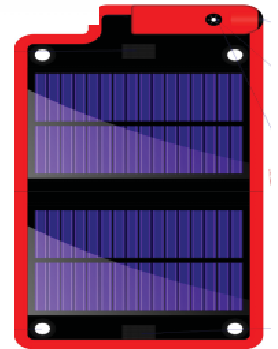
- Lightweight and easily portable
- Mount anywhere—4 pcs of suction cups included
- LED indicator when charging

ACCESSORIES

- 4pcs laptop connectors
- 4pcs mobile phone connectors
- 0.6m USB cable
- 2m computer cable



Solar Panel
9W



Solar Battery Charger

TWB-CTG-D1-11



BATTERY CHARGING TIME



AC Power

a) 24 - 26 hours for charging 4 x AAA
800mAh 1.2V rechargeable battery

b) 28 - 30 hours for charging 4 x AA
1200mAh 1.2V rechargeable battery



Solar Power

a) 35 - 40 hours for charging 4 x AAA
800mAh 1.2V rechargeable battery

b) 50 - 55 hours for charging 4 x AA
1200mAh 1.2V rechargeable battery

KEY FEATURES

- Dual power (Solar/AC) battery charger
- Solar panel: 10.2 x 12.2cm
- Can charge 4 x AA or AAA batteries (not included)
- Charging time based on capacities of batteries being charged
- Charging indicator light
- Battery test buttons
- Battery compartment slides out for easy upright positioning in sunlight

ACCESSORIES

- AC adapter



Solar Panel
0.55W

SOLAR CHARGERS

TWB-SC-PSPS11

Portable Solar Charging Station



KEY FEATURES

- Portable charging solution
- Output voltage: 5V, 9V, 16V, 19V, 22V
- Output current: 5V/500mA
9V/1000mA
16V/3000mA
19V/3000mA
22V/3000mA

ACCESSORIES

- USB to DC jack cable x 1
- DC jack to tip adapter cable x1
- Power cord x 1
- DC output connector cable x 1
- AC adapter x 1
- Laptop adapter tips x 8
- Mobile phone adapter tips x 5

BATTERY CHARGING TIME



Solar Panel
2W



Battery
Li-polymer battery
13.7V 12000mAh



AC Power
6-8 hours



Solar Power
10-12 hours

SOLAR LIGHTING SOLUTIONS

Making your world
- and your life -
brighter

SOLAR LANTERNS

SOLAR BIKE LIGHT

SOLAR LAMPS

SOLAR TASK LIGHT

SOLAR FLASHLIGHTS

SOLAR OUTDOOR LIGHTING

Solar LED Rechargeable Lantern

TWB-BX-H11-A



KEY FEATURES

- Large capacity rechargeable lead acid battery
- Carry handle
- Overcharge/overdischarge protection
- External solar panel
- With AM and FM radio
- Optional phone charging
- AC charging

ACCESSORIES

- 3 connection cords (for Nokia, Sony Ericsson, plus USB)

BATTERY CHARGING TIME



USB
20 hours



Solar Power
24 hours



Battery
4V 5.5Ah



Solar Panel
3W



LED
24 LEDs



Lighting time
15 - 20 hours

LED Rechargeable Lantern

TWB-BX-H13

BATTERY CHARGING TIME



USB
6 hours



Solar Power
10 hours



KEY FEATURES

- Large capacity rechargeable lead acid battery
- Carry handle
- Overcharge/overdischarge protection
- External solar panel
- Optional 12V AC charging

ACCESSORIES

- Remote control



Lighting Time
6 hours



Battery
SLA
4V 3Ah



Solar Panel
2.5W



LED
20 LEDs



Water Resistant

Our lanterns feature:

- Detachable rechargeable battery
- External solar power



LED Rechargeable Lantern

TWB-BX-H14

BATTERY CHARGING TIME



USB
1 hour



Solar Power
5 hours



KEY FEATURES

- Carry handle
- Overcharge/overdischarge protection
- External solar panel
- Built-in compass
- Mobile phone charging function
- Winding charger function
- Optional 5V AC adapter

ACCESSORIES

- 3 connection cords (for Nokia, Sony Ericsson, plus USB)



Lighting Time
4 hours



Battery
Ni-MH
3.6V 500mAh



Solar Panel
1.5W



LED
12 LEDs

SOLAR LIGHTING

LED Rechargeable Lantern

TWB-BX-H15

BATTERY CHARGING TIME



USB
1 hour



Solar Power
5 hours



KEY FEATURES

- Powered by solar, 5V AC adapter
- Overcharge/discharge protection
- Winding charger function
- Mobile phone charger function
- Built-in compass

ACCESSORIES

- 3 connection cords (for Nokia, Sony Ericsson, plus USB)



Battery
Ni-MH
3.6V 500mAh



Solar Panel
1.5W



LED
12 LEDs



Lighting time
4 hours

Solar Rechargeable LED Lamp

TWB-MG-713L



KEY FEATURES

- Detachable battery
- Two stage lighting (16 LEDs or 32 LEDs)
- Search light
- Integrated carrying handle
- External solar panel
- Overcharge protection
- Charging indicator

ACCESSORIES

- AC adapter



Battery
SLA
4V 5.5Ah



Solar Panel
works with
9V or 12V panel



LED
32 LEDs



Lumens
5 per LED



Lighting Time
10 hours

BATTERY CHARGING TIME



Solar Power
20-24 hours

LED Solar Flashlight

TWB-WTE-607



KEY FEATURES

- Durable construction
- Integrated solar panel
- Illumination distance: 5m



Charging time
5 hours



Lighting time
4 hours

Battery



Ni-MH
AA batteries
3.6V 600mAh



Solar Panel
0.35W



LED
7 LEDs



Lumens
30

LED Solar Flashlight

TWB-WTE-608



KEY FEATURES

- Durable construction
- Integrated solar panel
- Illumination distance: 5m



Charging time
5 hours



Lighting time
4 hours

Battery



Ni-MH
AA batteries
3.6V 600mAh



Solar Panel
0.35W



LED
1 LED



Lumens
20

LED Solar Flashlight

TWB-WTE-604



KEY FEATURES

- Durable construction
- Integrated solar panel
- Illumination distance: 8m



Charging time
8 hours



Lighting time
2-3 hours

Battery



Ni-MH
AA batteries
3.6V 600mAh



Solar Panel
0.5W



LED
15 LEDs



Lumens
65

Solar Flashlight

TWB-BX-03



KEY FEATURES

- Compact design
- Large capacity integrated solar panel
- Mobile charging function

ACCESSORIES

- 3 connection cords (for Nokia, Sony Ericsson, plus USB)



Charging time
3.5 hours



Lighting time
5 hours



Battery
Ni-MH
1.2V 1000mAh



Solar Panel
0.4W



LED
6 pcs

KEY FEATURES

- Detachable flashlight
- Power base with large capacity solar panel



Charging time
6 - 8 hours



Lighting time
3 hours



Battery
Ni-MH
AAA Battery
400mAh



Solar Panel
0.35W



LED
1 pc



Lumens
30

LED Flashlight with Solar Power Base

TWB-CTG-D3-07



SOLAR LIGHTING

Solar Bike Light

TWB-P26050-00



KEY FEATURES

- Easily attaches to bicycle handle
- Multiple charging options: solar, USB, or winding
- Color options: green, blue, yellow, green, white, silver

ACCESSORIES

- USB cable



Charging time
10 hours



Lighting time
Constant mode: ~3 hours
Blinking: ~5 hours



Battery
2/3 AAA batteries
2.4V 350mAh



Solar Panel
0.2W



LED
3 pcs



Water Resistant
IP42

Solar Task Light

TWB-WTE-3123



KEY FEATURES

- Multifunctional worklight
- Multiple charging options: solar, winding handle
- Optional AC adapter



Battery
Ni-MH
AA Battery
3.6V 1200mAh



Solar Panel
0.4W



LED
Flashlight: 5 LEDs
Worklight: 18 LEDs



Lumens
15 - 20
70



Charging time
12 hours



Lighting time
Flashlight: 12 - 15 hours
Worklight: 4 - 5 hours

SOLAR LIGHTING

TWB-0152A

Solar Wall Light



KEY FEATURES

- Sturdy stainless steel housing
- Wall hook mounting



Charging time
6 - 8 hours



Lighting time
6 - 8 hours

Battery



Ni-MH
AA Battery
1.2V 600mAh



Solar Panel
0.28W



LED
2 pcs



Lumens
12



Water Resistant
IPX4

Solar Wall Light with Motion Sensor

TWB-0294-W



Charging time
6 - 8 hours



Lighting time
6 - 8 hours

KEY FEATURES

- Sturdy stainless steel housing
- Wall bracket mounting

Battery



Ni-MH
AA Battery
1.2V 600mAh



Solar Panel
0.45W



LED
9 pcs



Lumens
54



Water Resistant
IPX4



Solar Security Light with Motion Sensor

TWB-0114

KEY FEATURES

- High temperature plastic housing
- Wall mounting



Charging time
6 - 8 hours



Lighting time
6 - 8 hours

Battery



Ni-MH
AA Battery
1.2V 600mAh



Solar Panel
0.7W



LED
9 pcs



Lumens
54



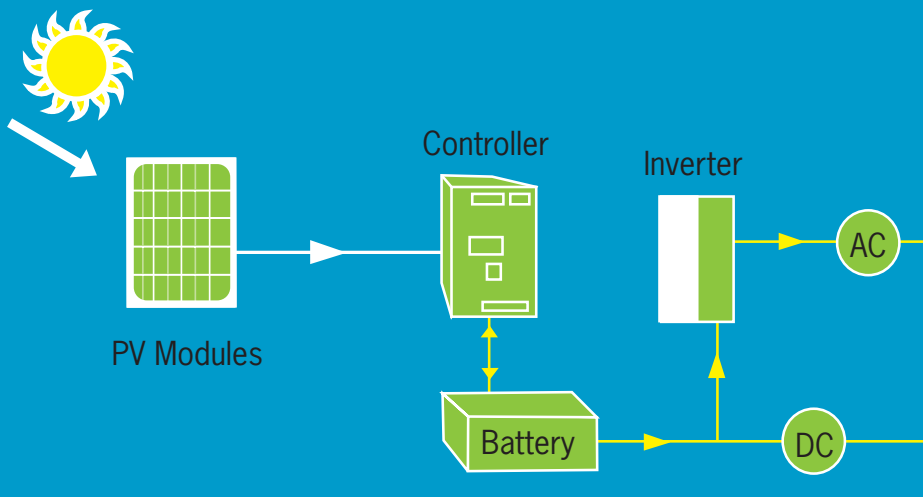
Water Resistant
IPX4



The power of
the sun in your
home

HOME ENERGY SOLUTIONS

DC SOLAR HOME SET
AC SOLAR HOME SET



HOME ENERGY SOLUTIONS

DC SOLAR HOME SET

POWER OPTIONS

5W

10W

20W

40W

80W



COMPONENT	SPECIFICATION
SOLAR PANEL	5W to 8W
CONTROLLER	12V / 5A
BATTERY	12V / 30 - 40Ah
LIGHTING	LED lamp 3W CFL lamp 7W

APPLICATIONS:



Lantern



Mobile Phone



Digital Camera



Lamp

HOME ENERGY SOLUTIONS

AC SOLAR HOME SET

POWER OPTIONS

100W

125W

150W



COMPONENT	SPECIFICATION
SOLAR PANEL	100W to 150W
CONTROLLER	Per solar home set
BATTERY	12V / 24Ah
LIGHTING	LED lamp 3W CFL lamp 7W
AC SOCKET	100V to 240V

APPLICATIONS:

Household Appliances



Household Fan



LED TV

Electronics



Mobile Phone



Laptop



Music Player

Lighting



Lamp



Lantern

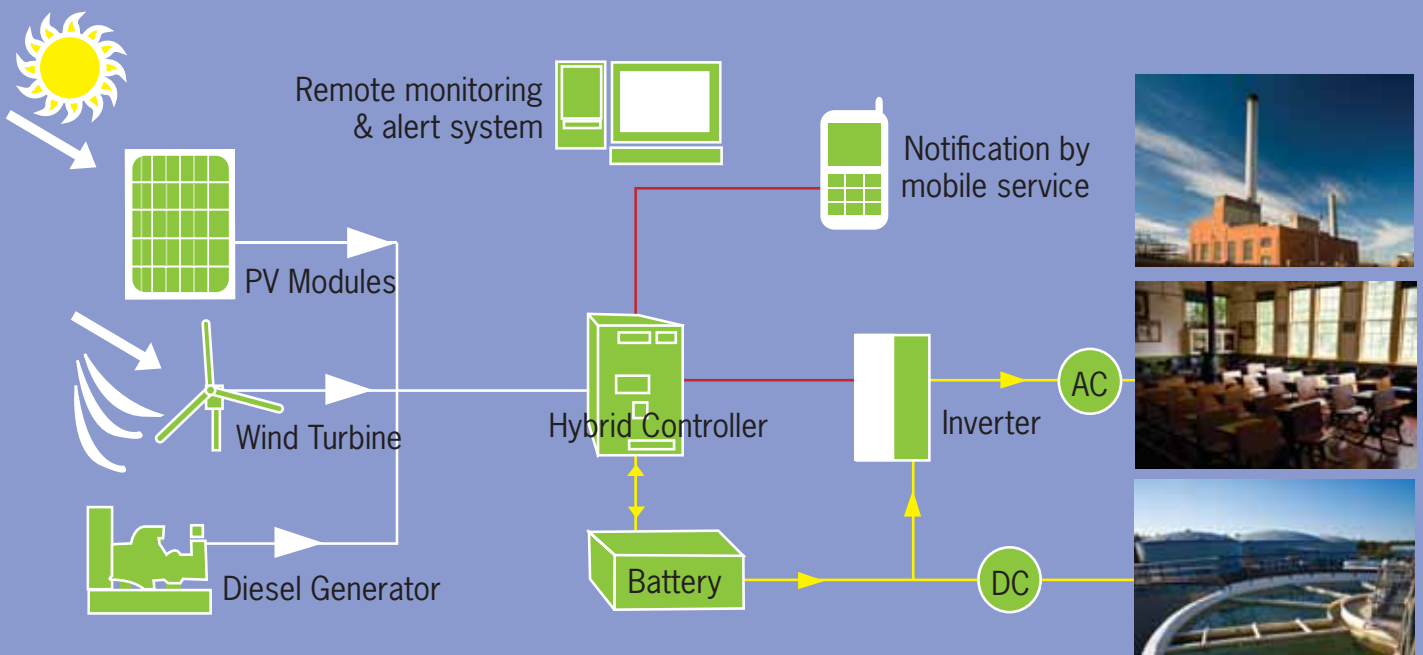
Enabling sustainable communities

RENEWABLE ENERGY SOLUTIONS FOR YOUR COMMUNITY

SOLAR POWER STATIONS

HYBRID ENERGY STATIONS (DIESEL + SOLAR + WIND)

These solutions provide renewable energy sources for schools, health clinics, small factories, water purification or desalination plants and many other possible applications.



Solar Power Station

TWB-BX-FD-1.5KW



KEY FEATURES

- Solar panel: 200 Watts 24 volts * 3 pcs
- Solar Charger: 24V 20A * 1 pc
- Inverter: 24V 1500 Watts * 1 pc, output 110V 60Hz/220V 50Hz
- Combiner Box with breaker function * 1 set
- Mounting pole * 1 set
- Lead-Acid Batteries 12 Volts 225Ah * 2 pcs
- Battery Cables
- Inverter Cable * 1 set

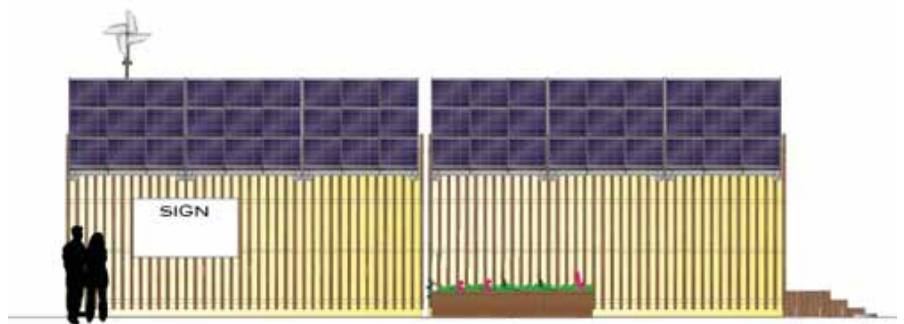
COMMUNITY ENERGY SOLUTIONS

HYBRID ENERGY



Diesel + Solar + Wind

Reduces diesel fuel consumption by up to 70%



Mono and Poly Crystalline Solar Panels



Solar Panel Features

- Mono or poly crystalline modules
- Aluminum frame
- IP65 (water resistant)
- CE certification (all panels)
- IEC certification (large panels)

Specifications

Model	Pm(Wp)	Tolerance	Vm(V)	Im(A)	Voc(V)	Isc(A)
TWB-SP-10W	10W	-0 - +3%	17.00	0.58	21.40	0.64
TWB-SP-20W	20W	-0 - +3%	17.20	1.162	21.40	1.243
TWB-SP-30W	30W	-0 - +3%	17.80	1.68	21.60	1.88
TWB-SP-40W	40W	-0 - +3%	17.60	2.27	21.80	2.48
TWB-SP-50W	50W	-0 - +3%	22.00	2.27	26.53	2.53
TWB-SP-60W	60W	-0 - +3%	16.80	3.57	21.00	3.86
TWB-SP-75W	75W	-0 - +3%	17.20	4.36	21.60	4.87
TWB-SP-80W	80W	-0 - +3%	17.20	4.65	21.60	5.00
TWB-SP-100W	100W	-0 - +3%	16.40	6.09	21.00	6.80
TWB-SP-120W	120W	-0 - +3%	16.80	7.14	21.00	7.71

GENERAL ECO PRODUCTS

Rechargeable Batteries



AA Rechargeable Batteries
TWB-N2500



AAA Rechargeable Batteries
TWB-N1000

LED Bulbs



Frosted Bulb

Item No. TWB-CTG-C5-03
Base E27
LED Emitting Color Cool white
Voltage 85-264V AC
LEDs 15
Watts 3.6 W
Lumens 210

Clear Bulb

Item No. TWB-CTG-C5-04
Base E27
LED Emitting Color Cool white
Voltage 200 - 240V AC
LEDs 60
Watts 3.5W
Lumens 312



More unique environmental solutions to come

We have on-going Research & Development activities as we continue to better understand daily livelihood needs in Developing regions, and seek the best productsolutions to meet those needs.

To learn more about our unique product solutions and our global trading services to, from and between Developing regions, please contact us for more information.



Sustainable Development through Inclusive Trade

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