For Africa

Offer for solar power systems from a leading solar experts with 35 years of solar experience Especially for Africa: special export prices

Dipl.-Ing. Ulrich Heitfeld

Solarlicht für die Welt®

WELTLICHT.DE · Kramer-Kray-Weg 10 · D-22399 Hamburg

SOLAR COOLING SYSTEM Special offer

Der Spetiolist für Solotie

Ingenieur-Büro Dipl.-Ing. U. Heitfeld

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Hamburger Sparkasse Konto 128 035 2988 BLZ 200 505 50 IBAN DE 70 2005 0550 1280 3529 88 BIC: HASPDEHHXXX

Commerzbank Konto 028 895 1100 BLZ 200 800 00 IBAN DE 55 2008 0000 02889 51100 BIC: DRES DE FF 200

Steuernummer: Finanzamt Hamburg/Oberalster 09/251/69137 Umsatzsteuer-Identnummer: DE 234014987

Projektpartner:

Deutsche Bundesstiftung Umwelt



2012 / 2013 Mitglied der Deutschen Gesellschaft für

Sonnenenergie / VDI-Mitglied

Hamburg

OFFER No.: 010813 EXPORT special rates

1 piece SOLAR COOLING SYSTEM with TV-Set and DVD Article. No. 1920-12 /A,B,C,D

A Refrigerator with freezer

two functions. Either 0 to 8 degrees Refrigerator temperature or minus 10 to 20 degree freezer temperature adjustable. Dimensions 90 cm wide, 70 cm deep, 95 cm high. Volume 180 liters. Includes 200 Wp solar Panel, charge controllers, Special Cable Set prefabricated with assurance to ease of installation on site and a 12 volt power outlet as well as other Cable, for a 12 volt car battery on site.

B WORLD SOLAR LIGHT TV-set special TV and DVD built together. Screen Size 61 cm (24 "). For TV and DVD are 10 hours of play time per day is possible.

C WORLD LIGHT with 10 lights extra strong. Consisting of: 10 high-power LED lamps, each as bright as a comparable 60 watt bulb, with per 60 pieces ultra bright white LEDs (3000 lux at a distance of 30 cm or 100 lm / W) 30m Round Cable 2 x 0.75 mm ², Each lamp can be turned on individually to be of 10 Frames and 10 switches. In addition, more Installation Material such as junction boxes, of the cables and terminal strips.

D Next 5 pieces mobile phone charging sets with different Plug adapters

the most common mobile phone models including Apple i-Phone. At least 200 phones can be per Load weeks.

Total price of complete solar electricity Attachment A to D

| 1-9 pieces | a' 2.736,00 EURO / pc |
|------------|-----------------------|
| 10-100 pcs | a' 2.587,00 EURO / pc |

The above prices are export prices: net plus Shipping. The offer has 3 months validity. Delivery time and payment by arrangement.











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SOLAR house- system for 230 volts AC include 10 lamps 12 Volt with switches. for example for TV/DVD, fans, radio, music and much more

OFFER No: 190215 EXPORT special rates

SOLAR house - system for 230 volts AC

include 10 lamps 12 Volt with switches. for example for TV/DVD, fans, radio, music and much more, Article-No. 3800-230-12.

<u>Consisting:</u> two pieces of high solar modules, solar charge controllers. Special cable set with fuse and battery terminals for fast wiring with 12 volt outlet. **1 piece sine wave inverter** 12 volt input. Output 230 volts AC with a rated power of 350 watts and a peak power of 700 watts. All equipment such as computer, printer, TV, DVD player, fan, radio, music system work very well.

10 pieces High Performance LED light, bright as a comparable 60 watt Bulb, with per 60 pieces ultra bright white LEDs (3000 lux at a distance of 30 cm or 100 lm / W) **30 m Round Cable** 2×0.75 mm², prefabricated cable with fuse holder and Spare fuse. Each lamp can be turned on separately, with 10 special switches. In addition, another material such as installation Boxes, of the cables and terminal strips. In addition, another cable 10 m Round Cable $2 \times 1,5$ mm² from the solar module to the solar charge controller. Easy installation for a 12 Volt car battery on site.

| 1-9 | Units | |
|-----|-------|--|
| | | |

10-49 Units

from 50 items

788,50 EURO/pc 764,80 EURO/pc

798.00 EURO / pc

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SOLAR COOLING special offer

OFFER No: 270813

EXPORT special prices

1 piece WORLD SOLAR LIGHT refrigerator / Freezer with two functions. Of 8 degrees Refrigerator temperature to minus 20 degrees optional Freezer temperature can be set.

No. 1822-12 SOLAR refrigerator and SOLAR - freezer. fridge and freezer.

Size approx. 90 cm wide, 70 cm deep, 95 cm high. Volume 180 liters. Including solar panels, charge controllers, special cable set with Fuse. The complete system is prefabricated with all connecting cables for easy installation for a 12 volt car battery on site

| 1-9 pieces | 2,286.00 EURO / piece |
|----------------|-----------------------|
| 10 - 49 pieces | 2.200,00 EURO / piece |
| 50-99 pieces | 1,982.00 EURO / piece |
| 100 pieces | 1.900,00 EURO / piece |

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Solar Street Lighting Special offer

OFFER NO: 260215

Export special rates

WORLD LIGHT Solar Street Lighting

Article No. 1800-3-12 for lighting streets, high Patios and building facades. The strong LED floodlight is automatically turned on at dusk and lights up very strongly to 10 hours of the night. Per system, 3 lights in a rugged aluminum Outer housing, waterproof IP 44, in Dimensions 390 mm x 240 mm x 170 mm accommodated. This is the Head of the lamp.

Each of these lamps is so bright that the road is illuminated, so that you can read below. Also, in 50 meters tall trees and buildings be illuminated. The entire WORLD LIGHT solar power system consists of a

Solar module, solar charge controller with special automatic engagement. A 12 volt battery and cable as well as other installation materials.

The mast is not present and must be purchased locally.

1-9 Units 10-49 Units 498,00 EURO / pc 474,50 EURO / pc

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SUPER HD2 SAE - in



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SOLAR-GLOBAL-LIGHT with 3 lamps Special offer

OFFER No.: 200813 EXPORT special rates

Solar-Global-Light No. 1000-12- 3 with 3 lamps extra strong.

Consisting of:

Special solar panel, special solar charge controllers, High Capacity Rechargeable AKKU 12 V 7.2 Ah, 3 pieces High Performance LED light, bright as a comparable 60 watt Bulb, with per 60 pieces ultra bright white LEDs (3000 lux at a distance of 30 cm or 100 lm / W) 30m Round Cable 2 x 0.75 mm², prefabricated cable with fuse holder and Spare fuse. Screw hooks for ceiling mount and a piece assembly and mounting kit with all screws for special Solar module. Each lamp can be turned on separately, with a switch.

Furthermore, a cell phone charger set with different plug adapters for the most common mobile phone models and a 12 volt Outlet.

| 1 - 9 | Units | 286,50 EURO / pc |
|---------|----------|------------------|
| 10 - 99 | Units | 264,50 EURO / pc |
| From 10 | 00 items | 228,28 EURO / pc |

The above prices are export prices: net plus Shipping. The offer has 3 months validity. Delivery and payment as agreed.



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SOLAR- GLOBAL-LIGHT with 6 lamps Special offer

OFFER No.: 210813 EXPORT special rates

Solar-Global-Light No. 1000-12-6 with 6 lamps extra strong.

Consisting of:

Special solar panel, special solar charge controllers, High Capacity Rechargeable AKKU 12 V 7.2 Ah, 6 pieces High Performance LED light, bright as a comparable 60 watt Bulb, with per 60 pieces ultra bright white LEDs (3000 lux at a distance of 30 cm or 100 lm / W) 30m Round Cable 2 x 0.75 mm², prefabricated cable with fuse holder and Spare fuse. Screw hooks for ceiling mount and a piece assembly and mounting kit with all screws for special Solar module. Each lamp can be turned on separately, with 6 Piece Special versions of 6 and switch. In addition, another material such as installation Boxes, of the cables and terminal strips.

Furthermore, a cell phone charger set with different plug adapters for the most common mobile phone models and a 12 volt Outlet.

| 1 - 9 Units | 361,50 EURO / pc |
|----------------|------------------|
| 10 - 99 Units | 342,70 EURO / pc |
| from 100 items | 299,00 EURO / pc |

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SOLAR-GLOBAL-LIGHT with 15 lamps Special offer

OFFER No.: 220813 EXPORT special rates

Solar-Global-Light No. 1000-12- 15 with 15 lamps extra strong.

Consisting of:

Special solar panel, special solar charge controllers, High Capacity Rechargeable AKKU 12 V 12,0 Ah, 15 pieces High Performance LED light, bright as a comparable 60 watt Bulb, with per 60 pieces ultra bright white LEDs (3000 lux at a distance of 30 cm or 100 lm / W) **60 m Round Cable** 2×0.75 mm², prefabricated cable with fuse holder and Spare fuse. Each lamp can be turned on separately, with 15 special switches. In addition, another material such as installation Boxes, of the cables and terminal strips. In addition, another cable from the solar module to the solar charge controller.

In addition, a mobile phone charger system with different plug adapters for most popular mobile phone models. For the latest smart phone models with USB, Micro USB, Mini USB, suitable for Nokia, Samsung, Sony Ericsson, and for Apple iPod and iPhone. In addition, a 12 volt power outlet for connection is included.

| 1 - 9 Units | 568,50 EURO / pc |
|----------------|------------------|
| 10 - 99 Units | 548,00 EURO/pc |
| from 100 items | 520,00 EURO / pc |

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SOLAR-GLOBAL-LIGHT NEW with 20 lamps Special offer

OFFER No.: 041115 EXPORT special rates

Solar-Global-Light New No. 1000-12- 20 with 20 lamps extra strong.

Consisting of:

Special solar panel, special solar charge controllers, 20 pieces High Performance LED light, bright as a comparable 60 watt Bulb **60 m Round Cable** 2 x 0.75 mm², prefabricated cable with fuse holder and Spare fuse. Each lamp can be turned on separately, with 20 special switches. In addition, another material such as installation Boxes, of the cables and terminal strips. In addition, another cable from the solar module to the solar charge controller. Easy installation with a 12 Volt car battery on side.

In addition, a mobile phone charger system with different plug adapters for most popular mobile phone models. For the latest smart phone models with USB, Micro USB, Mini USB, suitable for Nokia, Samsung, Sony Ericsson, and for Apple iPod and iPhone. In addition, a 12 volt power outlet for connection is included.

| 1 - 9 Units | 590,00 EURO / pc |
|----------------|------------------|
| 10 - 99 Units | 574,80 EURO / pc |
| from 100 items | 568,00 EURO / pc |

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NEW Solar Street Lighting Special offer

OFFER No: 030714

Export special rates

SOLAR STREET LIGHT GERMANY Item No. H 2000-8-12 1 head Item No. H 2000-8-12 2 head

for lighting streets, intersections, parking, buying house square and soccer fields for children and much more.

The strong LED flood light is turned on automatically at dusk and lights up very strongly to 10 hours of the night. This new street light head has 8 LED lamps with, 480 pieces very strong white single- LEDs. From a height of 15 meters, anybody can read very well.

The lamp has a visually beautiful body with dimensions of 520x300x235 mm and is waterproof (IP65). The luminaire body is made of fiberglass and reinforced polypropylene and is UV resistant. The side entry has a diameter of 42-60mm and is made from high quality corrosion resistant aluminum. It is in 2- ways adjustable.

You could install per mast a lamp -1 lighting head or 2 lighting heads or 4 piece lighting heads, depending on whether you need the lamp for parking, buying house square, street intersection, a sports field or other uses.

Each of these lamps is so bright that the road is illuminated and so bright that you can read below. The solar street Light consists in addition Solar module and a solar charge controller with a special automatic. All cables are pre-wired. The material is pre-assembled. A 12 volt- battery must be purchased locally. The mast is not present and must be purchased locally.



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SOLAR STREET LIGHT GERMANY 1 head

1-9 units

10-49 units

50-99 units

864,00 EURO / pc 832,50 EURO / pc 768,00 EURO / pc

SOLAR STREET LIGHT GERMANY 2 heads

1-9 units

10-49 units

50-99 units

1.322,40 EURO / pc 1.298,50 EURO / pc 1.214,00 EURO / pc

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Head of the street lamp





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Solar energy with sine wave inverter for 2,4 kW peak and 230 Volt AC 600 Watt solar power system Produces about 4 kWh to 6 kWh per day, and about 1.313 kWh per year

OFFER No. 160714 Special export prices

600 Watt solar power system with sine wave inverter 230 volts AC. Peak of the sine wave inverter is 2,4 kW and 1,2 kW continuous power.

6 pieces of high power solar modules monocrystalline

1 pieces of high power charge controller 30 amps at Nominal voltage of 24 V

1 piece sine wave inverter 24 volt input from the battery. Output AC 230 Volt 50 Hz with an output of 1,2 kW (1.200 watts) and a peak power of 2,4 kW (2.400 watts)

Installation material Solar cables are prepared and packaging.

Total net export

2.980,00 EURO

The prices are export prices: Net plus shipping. The offer has 3 months validity. Delivery and payment by appointment.



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Solar energy for a home to 10 rooms. 1.2 kW solar power system

Hamburg

OFFER No. 260713 Special export prices

<u>1.2 kW solar power system</u> with inverter 230 volts AC. Peak of the sine wave inverter is 6 kW and 3 kW continuous power.

6 pieces of high power solar modules monocrystalline

2 pieces of high power charge controller 30 amps at Nominal voltage of 24 V

1 piece sine wave inverter 24 volt input from the battery. Output AC 230 Volt 50 Hz with an output of 3 kW (3.000 watts) and a peak power of 6 kW (6.000 watts)

installation material and packaging.

Total net export

4.985,50 EURO

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Solar energy for a home to 20 rooms. 2,4 kW solar power system

Hamburg

OFFER No. 290813 Special export prices

2,4 kW solar power system with inverter 230 volts AC. Peak of the sine wave inverter is 10 kW and 5 kW continuous power.

12 pieces of high power solar modules monocrystalline

4 pieces of high power charge controller 30 amps at Nominal voltage of 24 V

1 piece sine wave inverter 24 volt input from the battery. Output AC 230 Volt 50 Hz with an output of 5 kW (5.000 watts) and a peak power of 10 kW (10.000 watts)

Installation materials Solar cables are prepared and packaging.

Total net export

9.264,50 EURO

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Special solar power system for hotels and luxury houses.

The special feature is that you do not notice if the power is interrupted from the power plant. If the current is off, it will automatically switch to solar.

Hamburg

OFFER No. 230316

Special export prices

<u>1.2 kW solar power system</u> with inverter 230 volts AC. Peak of the sine wave inverter is 6 kW and 3 kW continuous power.

12 pieces of high power solar modules 100Wp monocrystallinea) 100,-€1.200,00 EURO

2 pieces of high power charge controller 30 amps at Nominal voltage of 24 V a) 180,- € 360,00 EURO

piece sine wave inverter 24 volt input from the battery.
Output AC 230 Volt 50 Hz with an output of
kW (3.000 watts) and a peak power of 6 kW (6.000 watts)
Special application with automatic AC switching through and
Battery charger technology

3.216,50 EURO

Material: High quality solar cable UV and heat resistant with 2 fold insulation to the solar modules

210,00 EURO



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Material: High-quality solar cables in 16 mm², 25 mm² and 50 mm² for Connection of the batteries, and to the Sin wave inverter. All cables with fuses for the batteries for interconnection to 24 volts.

270,00 EURO

Pre-wiring of the solar system

for quick and easy assembly on site with the waterproof connectors. Cable with battery terminals prepared for batteries and solder lugs for the sin wave inverter. Fuses 125 amperes prepared between the batteries and also pre-wired.

420,00 EURO

Wiring diagram with drawing, images for mounting and detailed description. Documentation of the installation. Export packaging on EURO pallet.

100,00 EURO

Total net export

5.776,50 EURO

The prices are export prices: Net plus shipping. Delivery and payment by appointment.

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SOLAR-GLOBAL-LIGHT with 2 lamps HEITFELD 3000 Special offer

OFFER No.: 240813 EXPORT special rates

Solar-Global-Light / HEITFELD 3000 No. 3000-12 with 2 pieces of LED lights, immediately operational for over 35 hours of light.

Quantities

| at 1 to 9 pieces | á 98,90 EURO / pc |
|--------------------|-------------------|
| at 10 to 99 pieces | á 92,50 EURO / pc |
| from 100 items | á 89,50 EURO / pc |
| at 1,000 pieces | á 84,00 EURO / pc |

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Commerzbank Konto 028 895 1100 BLZ 200 800 00 IBAN DE 55 2008 0000 02889 51100 BIC: DRES DE FF 200

Steuernummer: Finanzamt Hamburg/Oberalster 09/251/69137 Umsatzsteuer-Identnummer: DE 234014987





WELTLICHT.DE HEITFELD 3000 SOLAR-GLOBAL-LIGHT®









Made in Germany



Hamburg

Articel No. 3000-12

HEITFELD 3000 SOLAR-GLOBAL-LIGHT®

NiMH high performance accumulator 1100 mA no. A 3000 with self regulation and ingated fuse for special solar-modul 12 Volt, min. 1,8 Wp no. M 3000 10 hours of sunshine gives ~10 hours of light Protected and by the german Patentamt' with document registered.

Solarlicht für die Welt®

WELTLICHT.DE · Kramer-Kray-Weg 10 · D-22399 Hamburg

SOLAR-Petroleumlampe komplett mit Solarmodul

Special offer

OFFER No.: 180916 EXPORT special rates

Solar-Petroleumlampe komplett mit Solarmodul Article-No. HEITFELD P80- A

Quantities:

at 1 to 9 pieces

at 10 to 99 pieces

from 100 items

at 1,000 pieces

72,20 EURO / pc 68,50 EURO / pc

79,90 EURO / pc

75,00 EURO/ pc

The above prices are export prices: net plus Shipping. The offer has 3 months validity. Delivery time and payment by arrangement.



Ingenieur-Büro Dipl.-Ing. U. Heitfeld

Kramer-Kray-Weg 10 D-22399 HAMBURG

Tel.: + 49 (0) 40 - 611 896 44 Fax: + 49 (0) 40 - 611 896 45

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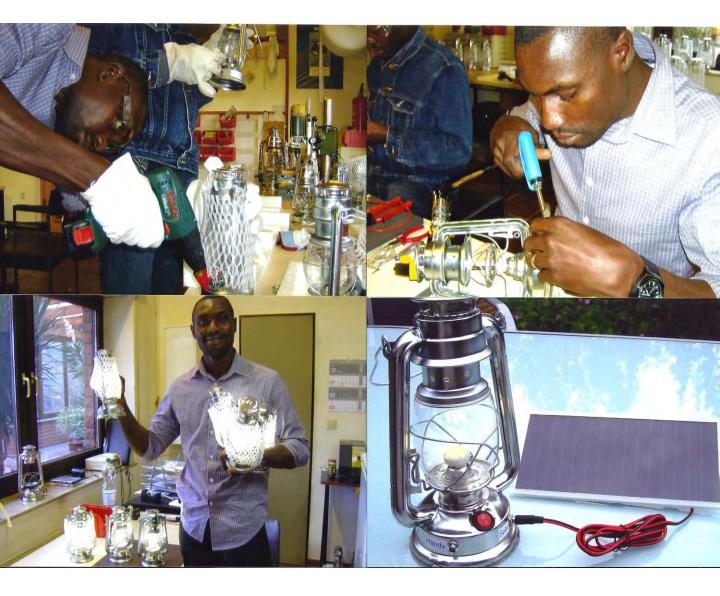
Commerzbank Konto 028 895 1100 BLZ 200 800 00 IBAN DE 55 2008 0000 02889 51100 BIC: DRES DE FF 200

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WELTLICHT Solar flex Light60 Special offer

OFFER No.: 040315 EXPORT special rates

WELTLICHT Solar flex Light60 complete with solar panel Article-No. 883

Quantities:

at 1 to 9 pieces

78,00 EURO / pc

76,50 EURO / pc

at 10 to 49 pieces

at 50 to 499 pieces 72,00 EURO / pc

at 500 to 1000 pieces 69,90 EURO / pc

larger quantities on request

The above prices are export prices: net plus shipping. The offer has 3 months validity. Delivery time and payment by arrangement.



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Stevernummer: Finanzamt Hamburg/Oberalster 09/251/69137 Umsatzstever-Identnummer: DE 234014987







Auszeichnung

Die Vereinten Nationen haben für die Jahre 2005-2014 die Weltdekade "Bildung für nachhaltige Entwicklung" ausgerufen. Für die Beteiligung an dieser Dekade wird

WELTLICHT.de / Dipl.-Ing. Ulrich Heitfeld

bezogen auf das Projekt

"WELTLICHT – Solarschulen" fördern nachhaltige Entwicklung in Afrika

durch das Deutsche Nationalkomitee der UN-Dekade "Bildung für nachhaltige Entwicklung" ausgezeichnet. Es wird damit als Beitrag zur Allianz "Nachhaltigkeit lernen" anerkannt.

Die oben genannte Initiative darf in den Jahren

2012/2013

den Titel

Offizielles Projekt der UN-Weltdekade 2012/2013 Bildung für nachhaltige Entwicklung

tragen.

Die Vereinten Nationen haben die UNESCO weltweit mit der Umsetzung dieser Dekade betraut.

Im Namen der Deutschen UNESCO-Kommission und des Nationalkomitees für die Dekade "Bildung für nachhaltige Entwicklung" gratulieren wir zu Ihrem herausragenden Projekt.

Belke Rinh h. B

Minister a.D. Walter Hirche Präsident der Deutschen UNESCO-Kommission

Dr. Roland Bernecker Generalsekretär der Deutschen UNESCO-Kommission

~ 2 00 W

Prof. Dr. Gerhard de Haan Vorsitzender des Nationalkomitees

UN-Dekade "Bildung für nachhaltige Entwicklung" 2005-2014

achhaltigkeit lernen

Bildung für

nachhaltige Entwicklung