

RE Practices in Bangladesh – Solar PV Technologies

Solar PV Technologies – Community Facilities – Solar Clinic



Implemented by : Sustainable Rural Energy (SRE) project of Local Government Engineering Department (LGED)
Location : Kamarul, Terokhada, Khulna

Beneficiary : Improved health care for 50,000 people in the locality
System Capacity : 1.5 KW
Appliances : CFL Lamp - 20 Nos
OT Lamp - 1 set (5 Nos)
Refrigerator - 1 No
Dc Fan - 8 Nos
TV - 1 Set

Operation & Maintenance: "Organization for Health and Community Development (SJS)"

Source:

Mazharul Islam (Anjan), 25 Shantinagar, Dhaka-1217, Bangladesh,
Email: anjan1970@yahoo.com, Web: <http://shakti.hypermart.net/mazhar.html>

RE Practices in Bangladesh - Solar PV Technologies

SOLAR PRODUCTS FOR RURAL LIFE DEVELOPMENT



Code: ESL-SL- 301

Name: Solar Lantern

Info: Suitable for remote mountain regions, fishing boats, tourist points, outdoors fields and other places where electricity is short in supply



Code: ESL1061

Name: Solar Flashlight

Info: Rechargeable with solar power, charge this unit in the day for night time use



Code: HSL309

Name: Solar Street Light

Info: Solar PV Module capacity 100W, Low voltage Sodium Lamp of 36W, Lead Acid battery – 100Ah/24V, Brightness – 5800 LM, Usage–5-6 h/d. Last for 3 days



Code: HSL107

Name: Solar Powered Lantern

Info: Solar panel – 2.5W, 9W fluorescent bulb & AM/FM radio, Built-in rechargeable battery, 12VAC wall charger, 12VDC car charger, Can use as an emergency light, if connected to mains power

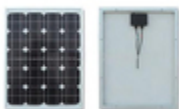
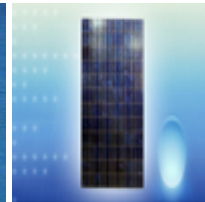


Code: TS601

Name: AM/FM Radio, Flashlight Crank Dynamo TS601

Info: Multicharger – Crank dynamo, Solar, AC mains, Rechargeable battery, Fluorescent lamp – table light, LED flash light – 5pcs LED, Emergency siren with torch blink mode, Mobile charger (optional)

Range of Solar PV modules offered



The above products are from the following manufacturer in China,

Company/Manufacturer : Ningbo Hebe Industry Co., Ltd
Address : Southen of Lianfeng crossroads, Ningbo , China
Tel. : +86 574 82162773
Fax. : +86 574 56667936
Website : <http://www.38590.tradebig.com>

Marketed by:

Company Name : Creative Computers & Communications
Business Type : Trading
Address : Address: 75-76 B.S Bhaban(3rd Floor), Mirpur Road,
(Science Laboratory),
Dhaka 1217, Bangladesh
Tel. : 880-2-8624889
Fax. : 880-2-9349118
Website : <http://www.26501.tradebig.com>

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SOLAR PRODUCTS FOR RURAL LIFE DEVELOPMENT



Rahimafrooz Renewable Energy (RRE) Products and services

RRE offers a full range of solar solutions including home lighting, street lighting, heating systems, water pumps, Photo Voltaic (PV) centralised systems, drip irrigation systems, vaccine refrigeration, support for computer and other electronic systems, and a number of other solutions. More than **60,000** homes already been illuminated with RRE's solar efforts and the number is always growing.

RRE Solar Products:

Solar Water Heaters:

Available in a range from 100 to 100,000 liters to suit both domestic & commercial users. Heats water up to 85°C and provides hot water even during cloudy days. They are provided with non-corrosive components.

Solar Emergency Lanterns:

Rugged, durable & portable. Can emit omni-directional light for at least 3 hrs on a day's charge. They are suitable for both domestic & commercial establishments like shops, clinics, bakeries, small hotels, offices and banks.

Yard Lighting:

Used for pathways in gardens, hotels & tourist spots and automatically switched on at dusk & can emit 4 to 6 hrs of bright light.

Solar Portable Lighting Kit:

Available in several models, is portable with battery back up and requires no operational costs. Power is available at the flick of a switch, requires least maintenance and is environmentally friendly. Solar Portable Lighting is very useful for Homes, Banks, Offices, Shops and construction sites.

Solar Education Kit:

The Educational Kit plays an important role in helping young minds in schools to understand solar energy. It is a tool enabling the study of the operation of the solar photovoltaic system and electrical characteristics of a solar module.

Rahimafrooz Solar Modules:

Capacity range and Quality

- Exhaustive range – 1 watt to 80 watts
- Manufactured to international specifications
- Approved by SEC, ISPRA, UL, RDSO, DoT and ONGC

Features:

- High performance
- Max^m reliability and minimum maintenance
- Resistant to water, abrasion and hail impact
- Light weight anodised aluminium frame with silicone sealant around the laminate

Components:

- Series connected Monocrystalline Silicon Solar Cells
- Toughened High Transmission Glass
- Ethyl Vinyl Acetate (EVA) Encapsulant
- Anodised Aluminium Frame
- Silicone Frame Seal
- Polyester/Tedlar trilaminate back surface

Junction Box:

- Hinged weather-proof lid
- Captive screws
- Three cable gland entry points
- One cable gland (Standard)

Applications:

- Solar lanterns, Domestic lighting, Street lighting
- Domestic power, Water pumping, Medical refrigeration
- Rural electrification, Telecommunications, Telemetry
- Navigational aids, Offshore platforms, Railway Signaling
- Cathodic protection, Obstruction lighting
- Grid connect power plants

Specifications of Solar Modules:

| Module Type | Pn (Nominal) | Pm (Minimum) | Nominal Voltage Volts | No. of Cells | Voc (Open circuit voltage) Volts | Isc (Short Circuit Current) Amps | Weight kg. |
|-------------|--------------|--------------|-----------------------|--------------|----------------------------------|----------------------------------|------------|
| TBP 1202 | 2 | 1.8 | 12 | 36 | 21.2 | 0.15 | 0.4 |
| TBP 1205 | 5 | 4.5 | 12+ | 36 | 21.2 | 0.35 | 0.8 |
| TBP 1208 | - | 8* | 12+ | 36 | 21.2 | 0.51 | 1.8 |
| TBP 1210 | - | 10* | 12+ | 36 | 21.20 | 0.62 | 1.8 |
| TBP 1212 | - | 12* | 12+ | 36 | 21.2 | 0.80 | 1.8 |
| TBP 1613 | 12.3 | 13 | 16 | 18 | 28.40 | 0.72 | 3.0 |
| TBP 1215 | 15 | 14.2 | 12 | 36 | 21.2 | 1.07 | 2.7 |
| TBP 1218 | 18 | 17 | 12+ | 36 | 21.20 | 1.24 | 3.0 |
| TBP 1220 | 20 | 18 | 12 | 36 | 21.2 | 1.35 | 3.0 |
| TBP 1225 | 25 | 22.5 | 12 | 36 | 21.20 | 1.72 | 3.0 |
| TBP 1827 | 25.6 | 27 | 18 | 54 | 31.10 | 1.30 | 5.5 |
| TBP 1230 | 30 | 28.5 | 12 | 36 | 21.2 | 1.90 | 5.5 |
| TBP 1235 | 35 | 34 | 12 | 36 | 21.2 | 2.25 | 5.5 |
| TBP 1836 | 36 | 32.4 | 18 | 54 | 31.8 | 1.52 | 5.5 |
| TBP 1240 | 40 | 37* | 12+ | 36 | 21.2 | 2.69 | 5.5 |
| TBP 1250 | 50 | 47.5 | 12 | 36 | 21.2 | 3.13 | 5.0 |
| TBP 1255 | 55 | 50 | 12 | 36 | 21.2 | 3.43 | 5.0 |
| TBP 1260 | 60 | 57 | 12 | 36 | 21.2 | 4.05 | 7.5 |
| TBP 1268 | 68 | 65 | 12 | 36 | 21.2 | 4.35 | 7.5 |
| TBP 1272 | 72 | 68 | 12 | 36 | 21.2 | 4.48 | 7.5 |
| TBP 1275 | 75 | 74* | 12 | 36 | 21.2 | 4.76 | 7.5 |
| TBP 1276 | 76 | 72 | 12 | 36 | 21.2 | 4.91 | 7.5 |
| TBP 1280 | 80 | 76 | 12 | 36 | 21.2 | 5.17 | 7.5 |
| BP 270. | 70 | - | 12 | 36 | 21.2 | 4.48 | 7.5 |
| BP 275. | 75 | - | 12 | 36 | 21.2 | 4.76 | 7.5 |

- At Vload = 16.4V as per MNES Specifications. All others at V = 17V. + 6V models also available
- Approved by Underwriters Laboratories, USA and ISPRA, Italy
- Figures specified are at standard test conditions of 100 mW/cm² insolation (AM 1.5) at 25°C cell temperature
- All electrical specifications to 5% tolerance.

Photovoltaic systems. The characteristics of Rahimafrooz Solar Batteries:

- Excellent cycling ability provides high reliability and exceptionally long life
- Large electrolyte reservoir means high tolerance to water loss and minimal maintenance
- High charging efficiency minimizes photovoltaic system size
- Low self discharge, pre dry-charged plates
- Robust, clear case and rugged construction ensures mechanical durability.
- Comprehensive product range from 31 to 2750 ampere hour capacity

Marketed by:

Rahimafrooz Renewable Energy Limited

Business type: Integrator and Installer of Solar PV systems, Electronics assembler

Product types: Solar Home Lighting, Solar Street Lighting, Solar Water Heating, Solar Water Pumping, Lanterns, Telecommunication and Navigation solutions, large centralized systems..

Address: 260-B Tejgaon Industrial Area, 1st Floor., Dhaka, Bangladesh 1208

Telephone: 00880-2-8832206, 8832207, 8832208

Fax: 00880-2-8832209

Corporate Office

1A Gulshan Avenue, Dhaka 1212, Bangladesh

Tel: (880 2) 881 5382, (880 2) 989 3442

Fax: (880 2) 882 7780

raco@rahimafrooz.com

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SOLAR PRODUCTS FOR RURAL LIFE DEVELOPMENT

RAHIMAFROOZ SOLAR HOME PACKAGES

All system offered below having 3 days autonomy (the system will supply designated load for 4 hours in defuse light/cloudy day)

SL NO: 1

System Description:

Model: SHLS -1

- 1x25 Wp PV Module.
- 1x12V, 47AH @ 100HR Positive Deep cycle Solar Battery
- 1x10A, 12V Charge Controller
- 2x7W FTL Lamps
- Mounting Structure
- Accessories.

Operating Load:

- 2x7W CFL Lamps & 1xMobile phone charger/Cassette player

Operating hours: 3 Hrs/Day

Price: Tk. 14,000.00 (Taka)



SL NO: 2

System Description:

Model: SHLS -2

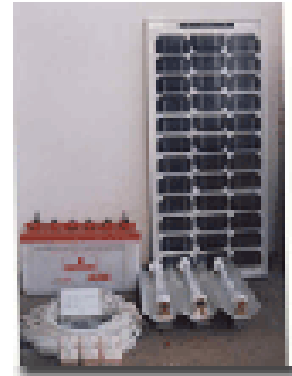
- 1x30 Wp PV Module.
- 1x12V, 71AH @ 100HR Positive Deep cycle Solar Battery
- 1x10A, 12V Charge Controller
- 2x7W FTL Lamps
- Mounting Structure
- Accessories

Operating Load:

- 2x7W FTL Lamps and 1x DC 12" B&W TV

Operating hours: 3 Hrs/Day

Price: Tk. 18,000 (Taka)



SL NO: 3

System Description:

Model: SHLS -3

- 1x40 Wp PV Module.
- 1x12V, 100AH@100HR Positive Deep cycle Solar Battery,
- 1x10A, 12V Charge Controller
- 3x7W FTL Lamps
- Mounting Structure
- Accessories.

Operating Load:

- 3x7W, FTL Lamps/2x7W FTL Lamps & 1x14"/17" B&W TV/1x7W FTL Lamps, 1x15W DC Fan

Operating hours: 4 Hrs/Day

Price: Tk. 18,000 (Taka)

SL NO: 4

System Description:

Model: SHLS -4

- 1x50 Wp PV Module.
- 1x12V, 100AH@100HR Positive Tubular Plate Solar Battery
- 1x10A, 12V Charge Controller
- 4x7W FTL Lamps
- Mounting Structure
- Accessories.

Operating Load:

- 4x7W Lamps & 1x14"/17" B&W TV or 2x7W FTL Lamps & 1x15W,DC Fan

Operating hours: 4 Hrs/Day

SL NO: 5**System Description:****Model: SHLS -5**

- 1x75 Wp PV Module.
- 1x12V, 130AH @10HR Positive Tubular Plate Solar Battery
- 1x10A, 12V Charge Controller
- 5x7W FTL Lamp
- Mounting Structure
- Accessories.

Operating Load:

- 5x7W Light (FTL) & 1x15 W, DC Fan

Operating hours: 4 Hrs/Day**Price:** Tk. 38,000.00 (Taka)**SL NO: 6****System Description:****Model: SHLS -6**

- 1x75 Wp PV Module.
- 1x12V, 130AH@10HR Positive Tubular Plate Solar Battery
- 1x10A, 12V Charge Controller
- 6x7W FTL Lamps
- Mounting Structure
- Accessories.

Operating Load:

- 6x7W, FTL Light Or 4x7W FTL Lamp & 1x14"/17" B&W TV

Operating hours: 4 Hrs/Day**Price:** Tk. 42,000.00 (Taka)**Note:**

- Systems with other load requirements can be provided on request.
- Above-mentioned solar modules are of Single Crystalline high quality BP modules, an ISO 9001 certified product.
- Batteries are Solar Deep Cycle Tubular plate batteries manufactured by Rahimafrooz Batteries Limited, Bangladesh, an ISO 9002 certified company. These batteries are having 8 to 10 years service life. Mentioned batteries have already been field tested in Bangladesh for solar applications for 5 years without incurring any design or workmanship defects.
- Charge controllers are made locally with high quality electronics and designed to control the charge level of battery efficiently. These charge controllers have been tested in Bangladesh for Solar applications for more than 5 years. These charge controllers have been successfully certified from BUET.
- The systems consist of high quality fluorescent lights made locally and design has been proved to work with utmost efficiency. These fluorescent lights have been successfully certified from BUET.
- Cables are of high quality flexible twin core an ISO 9000 certified product.
- Systems include galvanized mounting structure for solar panel specially made to withstand against wind speed of 200 km/h.
- Other installation accessories are as per requirement.

Terms and Condition**1. Price:**

- The above prices are net. This price includes VAT.
- Transportation charges during the installation would be born by the customer.

2. Delivery from:

- From our Dhaka office.

3. Validity:

- The price offered is valid for 60 Days.

4. Mode of Payment:

- 50 % payment along with the work order and 50% after installation of the systems.

5. Installation:

- Installation done by the technician of Rahimafrooz Batteries Limited. But, Installation charges like transportation cost for the system, convenes of the technician will be born by the customer.

6. Warranty:

- The system is guaranteed for one year against any manufacturing defects except tube light. The warranty of the components are given below:

| Name of the components | Warranty | Expected Life |
|--|----------|---------------|
| Solar Module | 20 years | 25-30 Years |
| Battery | 5 years | 8-10 Years |
| Charge Controller | 2 years | 4-5 years |
| DC Fluorescent Lamp circuit | 2 years | 4-5 years |
| Luminaire (Osram/Phillips/Toshiba/Dop/CE) | 1 year | 2 years |
| Panel Structure | 2 years | 8 years |

Marketed by:

Business address: RAHIMAFROOZ (Batteries Ltd), 705, West Nakhalpara, Tejgaon, Dhaka-1215, Bangladesh

Tel: 88-02-883 2206-08, 911 3696, 911 3522, 911 8163

Fax: 88-02-811 5305, 956 8134

Cell : +88-01713-064840(Mr. Sazad, Manager Rahimafrooz Batteries Ltd)

E-mail: munawar@rahimafrooz.com , sazzad@rahimafrooz.com ,

<http://www.rahimafrooz.com>

Source:

Renewable Energy & Environmental Information Network (REEIN)

E-mail: reein@dhaka.net, myreein@yahoo.com, reeinorg@hotmail.com,

reeinorg@gmail.com ; Website: <http://www.reein.org>

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SOLAR PRODUCTS FOR RURAL LIFE DEVELOPMENT

Other Products by Rahimafrooz Bangladesh

Solar Panel by Rahimafrooz:



Solar Cells

- Single Crystal Silicon
- 100 mm round, 125 mm round
- 150 mm round and 125 mm pseudosquare

Solar Modules

- 26 types -comprehensive range -1 watt to 80 watts D Manufactured to international standards
- Approved by SEC, ISPRA, UL, RDSO, DoT, ONGC etc

Railway Signaling System :



In many Parts of Bangladesh, especially in the western region most of the Railway and Telecommunication stations are deprived of grid supply. Solar energy is proven system of electrical power for these remote stations to develop railway signaling and telecommunication system.

Medical Refrigerator:



- Reliable, durable and simple to operate
- Designed, tested and certified to WHO specifications D Hygienic. Easy to clean
- 40 liters gross refrigerator volume and 5 liters gross ice packing capacity
- Pre-set vaccine storage at 0-8°C

Applications:

- Human vaccine storage
- Animal vaccine storage
- General medicine storage

Telecommunication System:



Rahimafrooz & BP Solar offers highly reliable solar electric power for such remote and distant microwave radio relay station

Water Pumping System:



- Surface and submersible
- Lifts water from depth up to 150ft and can deliver up to 50000 lits/day
- 3 positions manual tracking
- easy to install, minimum maintenance and serviceable
- water supply to irrigation, water circulation, booster service liquid transfer, spraying system, general purpose pumping

Solar Lantern:



- Ideal portable lighting system
- Bright omni directional lights
- Charging via solar module or AC mains
- 3 hours continuous bright light

Solar Battery:

- Excellent cycling ability provides high reliability and exceptionally long life. Large electrolyte reservoir means high tolerance to water
- Loss and minimal maintenance
- High charging efficiency minimizes photovoltaic system size O Low self discharge, pre dry-charged plates
- Robust, clear case and rugged construction ensures mechanical durability
- Comprehensive product range from 31 to 2750 ampere hour capacity

Solar Garden Lighting:



Solar Street Lighting



- PL-11, sox LAMPS, high efficiency PV modules, galvanized steel pole, 4 days system autonomy
- Street lighting
- Yard lighting
- Security lighting
- Townships
- Gateways

Marketed by:

Business address: RAHIMAFROOZ (Batteries Ltd), 705, West Nakhalpara, Tejgaon, Dhaka-1215, Bangladesh

Tel: 88-02-883 2206-08, 911 3696, 911 3522, 911 8163

Fax: 88-02-811 5305, 956 8134

Cell: +88-01713-064840(Mr. Sazad, Manager Rahimafrooz Batteries Ltd)

E-mail: munawar@rahimafrooz.com, sazzad@rahimafrooz.com,

<http://www.rahimafrooz.com>

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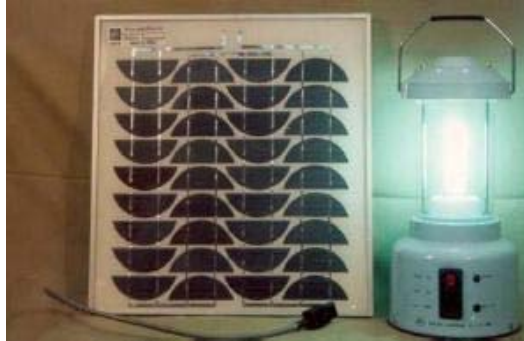
Renewable Energy & Environmental Information Network (Reein)

E-mail: reein@dhaka.net , myreein@yahoo.com , reeinorg@hotmail.com , reeinorg@gmail.com

Website: <http://www.reein.org>

RE Practices in Bangladesh - Solar PV Technologies

Solar Lantern Programme for Rural Poor Households in Bangladesh (UNDP supported)



The Product

SOLAR LANTERN is an omni directional and portable light source which emits pure white light. It comprises SEALED MAINTENANCE FREE BATTERIES, SOLAR MODULE, CHARGE CONTROLLER, and CFL lamp & INDOOR LUMINARIES. Highly efficient two-step charge controller protects the battery from overcharging and deep discharging. High frequency inverter offers high efficiency, more light output and long service life to the CFL.

| Sl no | MODEL | LAMP | BATTERY | SPV MODULE | WORKING HRS |
|-------|---------|--------|---------|------------|-------------|
| 1 | 7W LAMP | CFL 7W | 12V 7AH | 12V 10Wp | 4 HRS |
| 2 | 7W LAMP | CFL 7W | 12V 7AH | 12V 8Wp | 3 HRS |
| 3 | 5W LAMP | CFL 5W | 12V 7AH | 12V 5Wp | 3 HRS |
| 4 | 3W LAMP | CFL 3W | 6V 4AH | 12V 4Wp | 2 HRS |

Scheme Location

Capacity of 10 Wp Solar Lantern each distributed among 100 remote households of Villages; Afzalpara, Bashuria, Gidaha, Kalichar, Kalihati Upazila under Kalihati Upazila/Thana of Tangail District of Bangladesh. People who are poor, many below the poverty, therefore the Solar Lantern going to replaced the kerosene and make life.

Expected Benefits

Improved in the QUALITY OF LIVES of people in the form of:

- Improved education.
- More income generation activities.
- Improved health & hygiene..
- More social interaction.
- Controlled birth rates.
- Family health & happiness
- Introduction to Infotainment through the media of TV & radio
- Woman & children would benefit enormously.

Source:

Renewable Energy & Environmental Information Network (Reein)

E-mail: reein@dhaka.net, myreein@yahoo.com, reeinorg@hotmail.com, reeinorg@gmail.com

Website: <http://www.reein.org>

RE Practices in Bangladesh - Solar PV Technologies

Demonstration of Solar photovoltaic Pumping (SPV) for safe drinking water supply



System Components:

- Submersible AC pump.
- Solar PV Module.
- Array junction box.
- Power maxi miser.
- Installation Accessories.
- Cables and other hard ware.
- Supply and delivery pipe.

Information about 1800 Wp System:

Submersible SPV pump

Model : Tata BP SP 5A 7Y
(1800Wp)
Moto pump set : Grundfos 0.75HP
Country of Origin : Denmark
Capacity : 0.75 Hp
Array Capacity : 1200Wp
Total Dynamic Head (TDH) : 50m
Water lifting /day : 35,000Liters
(assuming peak sunshine at 5.5 hrs/day and 3 times manual tracking)
Overhead Pipe = 3" Dia and 35 ft
depth from ground
Total Original boring depth = 128 ft
Pump depth = 121 ft

Solar Array

Solar PV Module : 75 Wp, 12 V
Total module : 24
Array output : 115 V < V_{dc} < 175V
Max, Short circuit current I_{sc} = 14Amp DC

Information about 1200 Wp System:

Submersible SPV pump:

Model : Tata BP SP 5 A 7X
(1200wP)
Mono pump set : Grundfos 0.75HP
Country of Origin : Denmark
Capacity : 0.75 Hp
Array Capacity : 1800Wp
Water lifting /day : 35,000Liters
(assuming peak sunshine at 5.5 hrs/day and 3 times manual tracking)
Total Dynamic Head (TDH) : 50m
Overhead Pipe = 1.5" Dia and 35 ft
depth from ground
Total boring depth : 97 ft
Pump depth : 92 ft

Solar Array:

Solar PV Module : 75 Wp, 12V
Total module : 16
Array output : 115 V < V_{dc} < 175V
Max, Short circuit current I_{sc} = 14Amp DC

Source:

Renewable Energy & Environmental Information Network (Reein)

E-mail: reein@dhaka.net , myreein@yahoo.com , reeinorg@hotmail.com ,
reeinorg@gmail.com ; Website: <http://www.reein.org>

RE Practices in Bangladesh - Solar PV Technologies

SOLAR PRODUCTS FOR RURAL LIFE DEVELOPMENT (SUN-NRG Bangladesh)

Solar system products

1. A. Stand-alone 3Wp Solar Lantern

**Specification:**

| | | |
|------|--|--------|
| I. | 6V. 3W Amorphous PV module with adjustable stand | 1 No. |
| II. | Built in 4V. 2.0Ah Sealed gel battery | 2 Nos. |
| III. | Ultra bright LED based Lantern (12Vdc 0.9 W.) | 1 No. |

Charging capacity: Illumination duration 4 hours with full load charge /day plus 3 hours autonomy.

Price : @ Tk. 2300.00 (Two thousand and three hundred only).

Warranty : Solar Panel 7 years (manufacturer's). This warranty does not cover natural calamities. ; Battery 06 months(supplier's).

Note : The mentioned specifications price and terms may change without prior notice.

1. B. Stand-alone 5Wp Solar Lantern

**Specification:**

| | | |
|------|--|-------|
| I. | 5Wp. Amorphous PV module with adjustable stand | 1 No. |
| II. | Built in 4V. 2.0Ah Sealed gel battery (charge controller type) | 2 No. |
| III. | Ultra bright LED based Lantern | 3 No. |

Charging capacity: Illumination duration 4 hours with full load charge /day plus 3 hours autonomy.

Price : @ Tk. 4000.00 (Four thousand only).

Warranty:

Solar Panel life : 7 (seven) years (manufacturer's). This warranty does not cover natural calamities.

Battery : 06 (six) months(supplier's).

Note: The mentioned specifications price and terms may change without prior notice

2. Solar Home System (SHS)

10 Wp Shop Economy



Specifications

| | | |
|------|---|--------|
| I. | 10 W PV. Module with mounting Bracket | 1 Set. |
| II. | 12V,7 Ah @ 20hr Battery with built in charge Controller and accessory | 1 Set. |
| III. | 12 Vdc. 6 W.FTL | 1 No. |
| And | LED based (12Vdc 1W.) spotlight | 1 No. |
| or | LED based (12Vdc 1W.) spotlight only | 4 Nos |
| IV. | Fitting accessory | 1 Set |

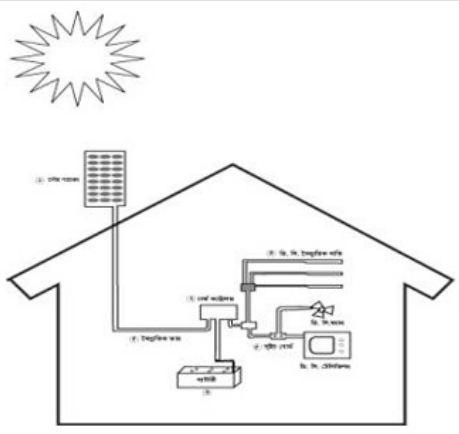
Price : @ Tk. 8000.00 (Eight thousand only).

Warranty: Solar Panel life 20 years (manufacturer's). This warranty does not cover natural calamities.; Battery 06 months (supplier's). Life expectancy is more than two years; Charge Controller & inverter 02 years (manufacturer's).

The customers at their own cost shall arrange mounting pole.

Note : The mentioned specifications price and terms may change without prior notice.

3. Model: 40. Wp Family Standard



Specification:

| | | |
|------|--|---------|
| I. | 40Wp Solar Module with mounting bracket | 1 Set. |
| II. | 12 V 47 Ah 10 HR positive deep cycle tubular plate battery | 1 No. |
| III. | 12Vdc 10 A charge regulator/controller | 1 No. |
| IV. | 12Vdc with inverter FTL/CFL lamp | 3 Sets* |
| and | LED ultra bright (12Vdc 1W.) spotlight | 2 Nos. |
| V. | Electric cable, switch, etc | 1 Set. |

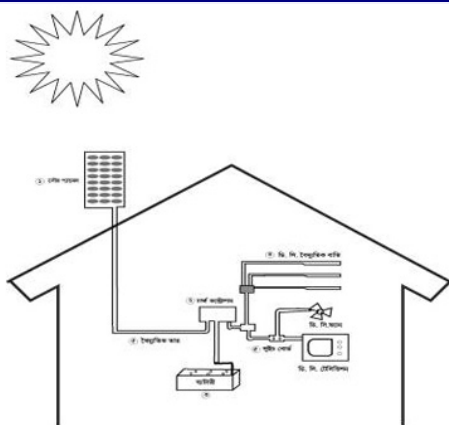
Price : @ Tk. 20,000.00 (Twenty thousand only)

Warranty: Solar Panel life 20 years (manufacturer's). This warranty does not cover natural calamities. Battery 05 years (supplier's). Life expectancy is 10 years, If properly maintained.; Charge Controller & Inverter 02 years (manufacturer's).

The customers at their own cost shall arrange mounting pole.

Note : The mentioned specifications price and terms may change without prior notice.

4. Model: 50. Wp Family Big



Specifications:

| | | |
|------|--|----------|
| I. | 50Wp Solar Module with mounting bracket | 1 Set. |
| II. | 12 V 60 Ah 10 HR positive deep cycle tubular plate battery | 1 No. |
| III. | 12Vdc 10 A charge regulator/ controller | 1 No. |
| IV. | 12Vdc with inverter FTL/CFL lamp | 4 Sets.* |
| | and LED ultra bright (12Vdc 1W). spotlight | 2 Nos |
| VI. | Electric cable, switch, etc | 1 Set. |

Price : @ Tk. 25,000.00 (Twenty-five thousand only)

Warranty:

Solar Panel life 20 (Twenty) years (manufacturer's). This warranty does not cover natural calamities.
 Battery 05 (five) years (supplier's). Life expectancy is 10 (ten) years, if properly maintained.

Charge Controller & inverter: 02 (Two) years (manufacturer's).

The customers at their own cost shall arrange mounting pole.

Note : The mentioned specifications price and terms may change without prior notice.

5. Community Solar System (CSS)

Model: R-1017/21 Dual light

For charging of 3 (three) Nos. of Batteries (12V, 18Ah) per day.

One 7 (seven) day cycle for a total 21 Nos. Batteries for powering 21 sets of Lights (14 Units)

A. The Solar Charge Station/unit contains:

| | | |
|------|--|--------|
| I. | 100W PV Module | 1 No. |
| II. | PV Module Mounting | 1 Set |
| III. | 12V, 18Ah maintenance @ 20 HR free Sealed Gel Battery as back-up power | 3 Nos. |
| IV. | Central Charge Controller | 1 No. |
| V. | Distribution-connecting Board for charging Batteries and Mobile phone | 1 Set |
| VI. | One LED based spotlight and one 12V.6W. FTL with LVD circuit & switch Box. | 1Set |
| VII. | Wire/switches/Nut-Bolts/Nails/Cable Socket/Tapes/Battery Clips, Clamps, etc. as require. | 1 Set |

Price : @ Tk. 36000.00 (Thirty-six thousand only)

Warranty: Solar Panel Life 20 yrs (manufacturer's). Thus warranty does not cover natural calamities.; Battery 06 months (supplier's). Life expectancy is more than 5 years if properly maintained; Charge Controller & inverter 02 years (manufacturer's).

The customers at their own cost shall arrange mounting pole.

B. Compact Solar Dual Lighting set (Total 14 Units for Consumers):

Each unit contain:

| | | |
|-----|---|--------|
| I. | 12V, 18Ah maintenance@ 20 HR free Sealed Gel Battery | 1 No. |
| II. | One LED based spotlight and one 12V.6W.FTL with LVD circuit & switch Box. | 1 Set. |

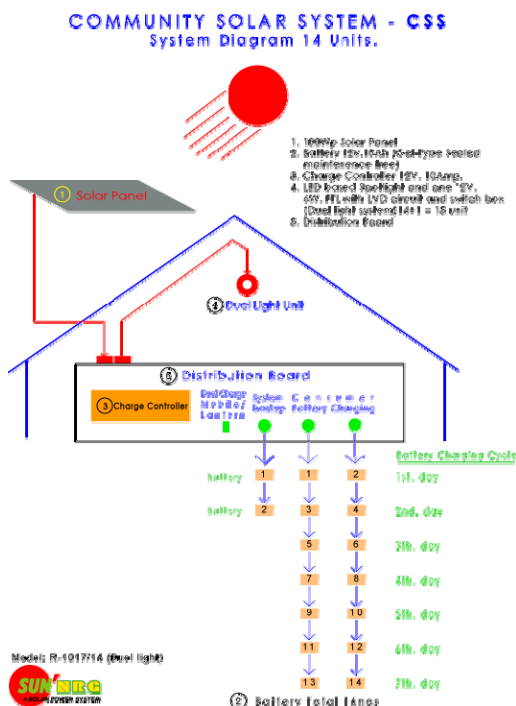
Warranty: Battery 06 months (supplier's). Life expectancy is more than 5 years, if properly maintained.; Inverter 02 years (manufacturer's)

Price: @ TK. 3,200.00 (Three thousand and two hundred only).

For a total 21 Nos. Compact solar lighting sets x @ TK. 3, 200.00

Total Tk.67, 200 (Sixty seven thousand two hundred only)

Total Price for the system: A+B = Tk.103,200.00 (Taka One lac three thousands and two hundreds only)



Note: The mentioned specifications price and terms may change without prior notice.

6. Community Solar System (CSS)

Model: R-1017/21 Single light

For charging of 3 (three) Nos. of Batteries (12V. 7Ah) per day.

One 7 (seven) day cycle for a total 21 Nos. Batteries for powering 21 Lights (21 Units).

A. The Solar Charging, Station/unit contains:

| | | |
|------|---|--------|
| I. | 80W PV Module | 1 No. |
| II. | PV Module Mounting | 1 Set |
| III. | 12V. 7Ah maintenance @ 20 HR free Sealed Gel Battery as back-up power | 3 Nos. |
| IV. | Central Charge Controller | 1 No. |
| V. | Distribution-connecting Board for charging Batteries and Mobile phone | 1 Set |
| VI. | LED based spotlight | 1 No. |
| VII. | Wire/switches/Nut-Bolts/Nails/Cable Socket/Tapes/Battery Clips, Clamps, etc. as require | 1 Set |

Price : @ Tk-30, 000.00 (Thirty thousand only).

Warranty: Solar Panel life 20 years (manufacturer's). This warranty does not cover natural calamities.; Battery 06 months (supplier's). Life expectancy is more than 5 years, if properly maintained.; Charge controller & inverter 02 years (manufacturer's).

The customers at their own cost shall arrange mounting pole.

B. Compact Solar Single Lighting set (Total 21 Units for Consumers):

Each unit contain:

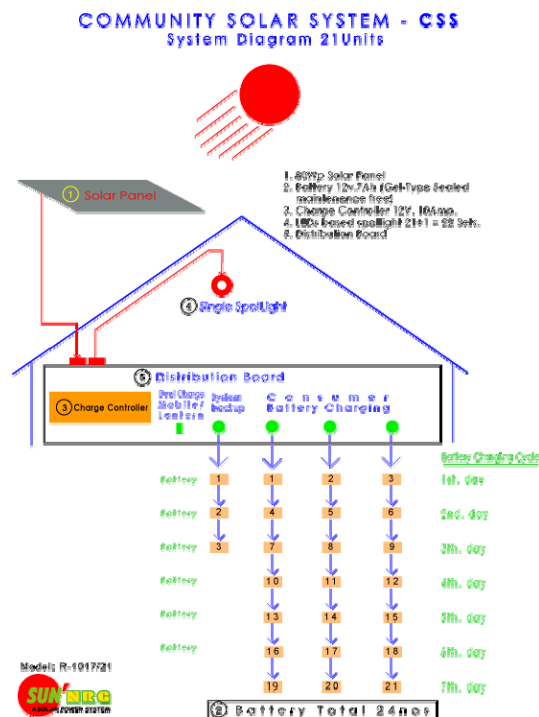
| | | |
|-----|--|-------|
| I. | 12V. 7Ah @ 20 HR maintenance free Sealed Gel Battery | 1 No. |
| II. | LED's based (With Wire, Switch, Nails etc) spotlight | 1 No. |

Warranty: Battery 06 months 9supplier's). Life expectancy is more than 5 years, if properly maintained.; Inverter 02 years (manufacturer's)

Price : @ TK. 1,200.00 (One thousand and two hundred only). For a total 21 Nos. Compact solar lighting sets x @ TK.1, 200.00. Total Tk. 25,200.00 (Twenty five thousand and two hundred only).

Total Price for the system: A+B = Tk.55,200.00 (Taka Fifty five thousand and two hundred only).

Note : The mentioned specifications price and terms may change without prior notice.



Source:

SUN-NRG Bangladesh

Business type: manufacturer/ system design& installation

Product types: solar charge controllers, , solar electric power systems, Solar Home System, Solar LED Lantern, , EPS, IPS, .

Address : 61/A - Lake Circus, Kalabagan, Dhaka-1205, Bangladesh

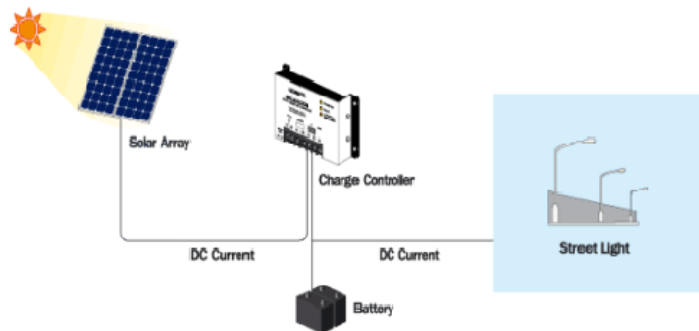
Telephone: ++88-02- 9143721; Fax. ++88-02-9146181

E-mail: levatus@bdonline.com, sun.nrgv@yahoo.com

Webpage: <http://www.sun-nrg.org>

RE Practices in Bangladesh - Solar PV Technologies

Solar Street Lighting System by SUN-NRG Bangladesh



Product range:

| Description | Application |
|--|---|
| Solar street light system; size 30 Wp Type 1 | A 12 V 6 W LED lamp (yellow) 12 hours use |
| Solar street light system; size 30 Wp Type 2 | A 24 V 7 W LED lamp (yellow) 12 hours use |
| Solar street light system; size 30 Wp Type 3 | A 24 V 9 W LED lamp (yellow, white) 12 hours use |
| Solar street light system; size 30 Wp Type 4 | A 24 V 11 W LED lamp (white) 12 hours use |
| Solar street light system; size 30 Wp Type 5 | 2 bulbs of 12 V 6 W LED lamp (yellow) 12 hours use |
| Solar street light system; size 30 Wp Type 6 | 2 bulbs of 24 V 7 W LED lamp (yellow) 12 hours use |
| Solar street light system; size 30 Wp Type 7 | 2 bulbs of 24 V 9 W LED lamp (yellow, white) 12 hours use |
| Solar street light system; size 30 Wp Type 8 | 2 bulbs of 24 V 11 W LED lamp (white) 12 hours use |

Features:

- High reliability and durability
- Overcharge and deep discharge protection
- Protected against short circuit
- Automatic switch in and off
- Temperature compensated battery charging

Typical Applications:

- Rural areas and villages
- Farms and Resorts
- Parks and Playgrounds
- Gardens
- Forest Area

Product Developer:

SUN-NRG Bangladesh

61/A - Lake Circus, Kalabagan, Dhaka-1205, Bangladesh

Telephone: ++88-02- 9143721; Fax. ++88-02-9146181

E-mail: levatus@bdonline.com, sun.nrgev@yahoo.com

Webpage: <http://www.sun-nrg.org>

Source:

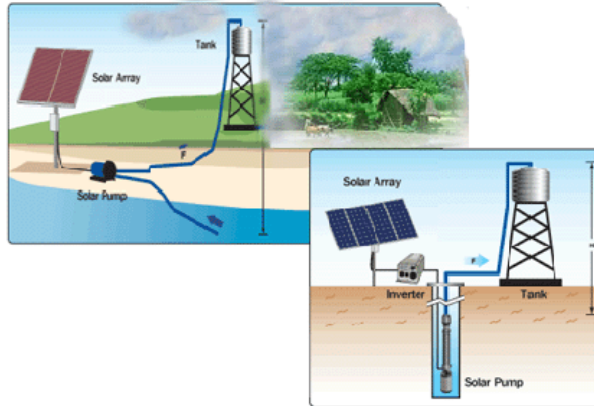
Renewable Energy & Environmental Information Network (REEIN)

E-mail: reein@dhaka.net, myreein@yahoo.com, reeinorg@hotmail.com, reeinorg@gmail.com ;

Website: <http://www.reein.org>

RE Practices in Bangladesh - Solar PV Technologies

Solar Water Pumping Technology by SUN-NRG Bangladesh



Product Range:

| Description | Capacity |
|---|---|
| Solar pump system; size 50 Wp / Surface DC Pumps | Pump 1600 liter/day and lift up 6 meter high |
| Solar pump system; size 350 Wp / Submersible DC Pumps | Pump 3500 liter/day and lift up 30 meter high |
| Solar pump system; size 600 Wp / Submersible DC Pumps | Pump 7500 liter/day and lift up 38 meter high |
| Solar pump system; size 900 Wp / Submersible DC Pumps | Pump 15000 liter/day and lift up 38 meter high |
| Solar pump system for agriculture and irrigation Type 1 / SDC Pump | Pump 12150 liter/day and lift up 6 meter high |
| Solar pump system for agriculture and irrigation Type 2 / SDC Pump | Pump 12150 liter/day and lift up 8.5 meter high |
| Solar pump system for agriculture and irrigation Type 3 / SDC Pump | Pump 12150 liter/day and lift up 13 meter high |
| Solar pump system for agriculture and irrigation Type 4 / SDC Pump | Pump 45000 liter/day and lift up 20 meter high |

Features:

- High reliability and durability
- Maintenance free
- One time investment
- Stand-alone system
- No fuel needed
- No use of battery
- Unattended operation

Typical Applications:

- Homes
- Schools
- Rural areas
- Small-scale micro-irrigation
- Gardens

Product Developer:

SUN-NRG Bangladesh

61/A - Lake Circus, Kalabagan, Dhaka-1205, Bangladesh

Telephone: ++88-02- 9143721; Fax. ++88-02-9146181

E-mail: levatus@bdonline.com, sun.nrgv@yahoo.com

Webpage: <http://www.sun-nrg.org>

Source:

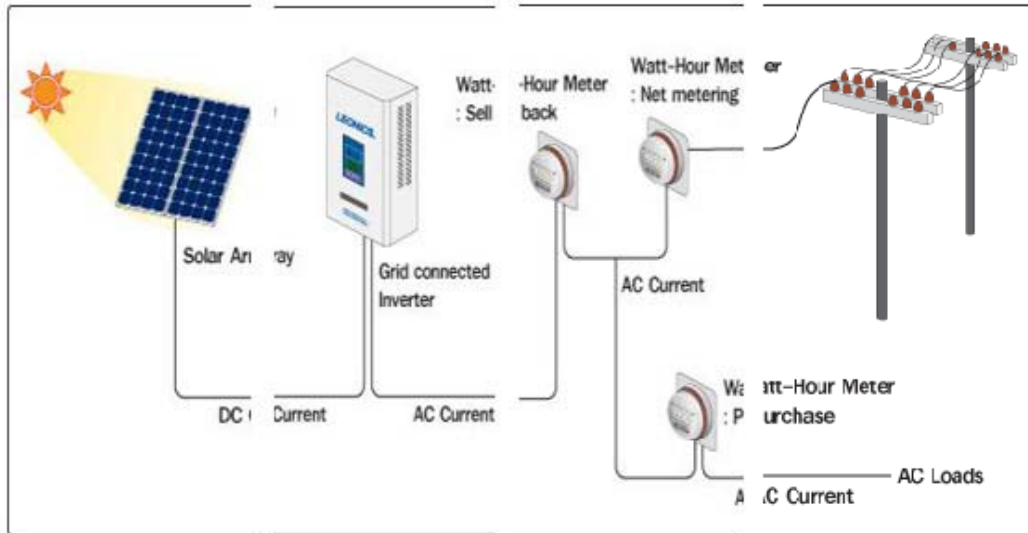
Renewable Energy & Environmental Information Network (REEIN)

E-mail: reein@dhaka.net, myreein@yahoo.com, reeinorg@hotmail.com, reeinorg@gmail.com ;

Website: <http://www.reein.org>

RE Practices in Bangladesh - Solar PV Technologies

Grid Connected Solar System by SUN-NRG Bangladesh



Product range:

| Description | Production capacity |
|--|---------------------|
| Grid connected solar system; size 2500 Wp | 2770 kWh per year |
| Grid connected solar system; size 2800 Wp | 2990 kWh per year |
| Grid connected solar system; size 3800 Wp | 4860 kWh per year |
| Grid connected solar system; size 4600 Wp | 4880 kWh per year |
| Grid connected solar system; size 4800 Wp | 4990 kWh per year |

Features:

Grid connected solar system is hooked to utility power line. DC power from solar panel is delivered to grid-connected inverter and converted to AC power, then consumed by appliance. If the power is not enough, utility power will be drawn (buy). If there is excess power, it will push that power back to utility power line (sell)

Product Developer:

SUN-NRG Bangladesh
61/A - Lake Circus, Kalabagan, Dhaka-1205, Bangladesh
Telephone: ++88-02- 9143721; Fax. ++88-02-9146181
E-mail: levatus@bdonline.com, sun.nrgv@yahoo.com
Webpage: <http://www.sun-nrg.org>

Source:

Renewable Energy & Environmental Information Network (REEIN)

E-mail: reein@dhaka.net, myreein@yahoo.com, reeinorg@hotmail.com, reeinorg@gmail.com ;

Website: <http://www.reein.org>

RE Practices in Bangladesh - Solar PV Technologies

Solar PV Technologies by **Hilful Fuzul Samaj Kallyan Sangstha – HFSKS (NGO)**



Solar Panel at Remote rural household



Solar Panel at Remote rural school)



Solar Panel at Remote rural poultry farm)

SHS system consists of;

- A solar panel,
- A battery,
- A charge controller ,
- Efficient electric lamps
- DC (Direct current) wiring

SHS Products

| Wp | Package provision | Size & duration of Installments |
|----|--------------------------------------|---|
| 21 | 2 Tube light | The SHSs are generally sold to the elected customers in credit & with a down credit with a down payment equivalent to 20% of the retail cost. The size & duration of installments to refund the credit depends on the volume of down payment offered by the customer during installment. There is a provision of 5% discount for cash sell. |
| 40 | 3 Tube light, 1 Black white TV point | |
| 50 | 4 Tube light, 1 Black white TV point | |
| 65 | 5 Tube light, 1 Black white TV point | |
| 75 | 6 Tube light, 1 Black white TV point | |
| 85 | 7 Tube light, 1 Black white TV point | |

Brief Description of the Project:

Project Name/ Title : Rural Electrification and Renewable Energy Development
Source of Funding / Donors : WB/IDCOL
Year of Installation : Starting from Septem.2006
Location : Bhola , Patuakhali, Cox's Bazar Districts
Type of Installation : Solar Home System
Total System Capacity : 40 W, 50 W and 75 W
Installation cost (US \$) : 40 W= \$ 357, 50 W= \$ 442, 75 W = \$ 606
Number of Beneficiaries/ Buyers : 20 up to 30th June2007

Project Developer:

Hilful Fuzul Samaj Kallyan Sangstha
5/12 Humayun Road, Block-B, Mohammadpur, Dhaka-1207
Phone & Fax- +88-02-9146206,
Mobile- +88-01552-479826, 01678-121383
Email : hfsks@bdonline.com

Source:

Renewable Energy & Environmental Information Network (REEIN)

E-mail: reein@dhaka.net, myreein@yahoo.com, reeinorg@hotmail.com, reeinorg@gmail.com ;

Website: <http://www.reein.org>

RE Practices in Bangladesh - Solar PV Technologies

SOLAR PRODUCTS FOR RURAL LIFE DEVELOPMENT (World Business Mart - Bangladesh)

Name of the Product: Sell Solar Charge Controller

Detailed Product Description

We are working on solar business. Now we are manufacturing of solar charger controller which is tested by engineering university & approved by world bank. Our FOB price is US \$ 12/- each and 10 amp. If you think it is potential for you pls. Contact. We are ready to print your company's name in the body of the controller according to your requirement.

Source:

World Business Mart

Business type: manufacturer, wholesale supplier, importer

Product types: solar charge controllers, photovoltaic module, Solar Radio, Solar Siren, Complete lamp shade including inverter, Plastic lamp shade .

Service types: Solar Power

Address: 14/1, Middle Paikpara, Mirpur-1, Dhaka-1216 Bangladesh 1216

Telephone: 88029011620

FAX: 88029011620

www.alibaba.com/member/wbmbangla.html

RE Practices in Bangladesh - Solar Thermal Technologies

Solar Hot Water Systems by SUN-NRG Bangladesh



Solar thermal systems have a minimum life of 20 years. Little maintenance is required.

A collector surface area of 10 m³ and a storage volume of 500 liters are sufficient to supply a household of 4 persons with hot water and supplementary heating.

Product Developer:

SUN-NRG Bangladesh

61/A - Lake Circus, Kalabagan, Dhaka-1205, Bangladesh

Telephone: ++88-02- 9143721; Fax. ++88-02-9146181

E-mail: levatus@bdonline.com, sun.nrgey@yahoo.com

Webpage: <http://www.sun-nrg.org>

Source:

Renewable Energy & Environmental Information Network (REEIN)

E-mail: reein@dhaka.net, myreein@yahoo.com, reeinorg@hotmail.com, reeinorg@gmail.com ;

Website: <http://www.reein.org>

RE Practices in Bangladesh - Solar PV Technologies

SOLAR WATER HEATING SYSTEM - A ONE TIME INVESTMENT FOR A LIFE TIME OF HOT WATER:



- Capacity : 100 lpd, 500lpd TO 10000lpd
- Temperature : 85 c
- Home/ Farm house , offices, banks, stores, textile mills, construction sites, clinics, hotels

Organisations Involved in Solar Energy Business in Bangladesh

Digonto Communication Network

- **Business type:** retail sales, wholesale supplier, exporter, importer, publisher
- **Service types:** installation, research services, retail sales, wholesale supplier, exporter, importer
- **Address:** 21 Mollartek, Uttara, , DHAKA, Bangladesh 1230
- **Telephone:** 0088-01914177703, 01671161223
- **Web Site:** <http://www.digonto.net/>
- **E-mail:** [Send Email to Digonto Communication Network](#)



Sobuj Shakti Research & Development

Sobuj Shakti Research & Development (R&D wing of Sobujshakti Engineering) is committed to provide technologically superior products & high quality services to achieve total customer satisfaction with integrity and excellence in all areas of business. Sobuj Shakti Research & Development pledge to monitor its performance as an on-going activity and strive for continual improvement.

- **Business type:** manufacturer
- **Product types:** solar electric power systems, solar charge controllers, uninterruptible power supplies UPS, meters and measuring equipment, DC to AC power inverters sine wave, electric cars.
- **Service types:** design, engineering, research services
- **Address:** HOUSE-21/E, ROAD-1, NIKUNJA-2, Dhaka, Bangladesh DHAKA-1229
- **Telephone:** 8802-8923477, 01711188617
- **Web Site:** <http://sobujshakti.googlepages.com/>
- **E-mail:** [Send Email to Sobuj Shakti Research & Development](#)

Centre for Energy Studies

- **Business type:** research institution
- **Product types:** Research on Renewable Energy Systems, Organizing Training programs and Seminars on Energy related issues, publications like Journals and Proceedings.
- **Service types:** research services
- **Address:** Ramna, Dhaka, Dhaka, Bangladesh 1000
- **Telephone:** 880 2 8614640-4
- **FAX:** 880 2 8613046
- **Web Site:** <http://www.buet.edu/>
- **E-mail:** [Send Email to Centre for Energy Studies](#)

Bangladeshi Trading Corporation

- **Business type:** manufacturer, wholesale supplier, exporter, importer
- **Product types:** solar water pumping systems, energy efficient homes and buildings, power conditioning equipment, wind energy assessment equipment, backup power systems.
- **Address:** 51, Siddeshwari, Dhaka, Bangladesh 1217
- **Telephone:** 88-02-8333280

Business Unlimited

Dear Sir / Madam, Its my pleasure to introduce ourself as a Bangladeshi Trading House interested to market IEC certified Mono / Poly Crystalline Solar PV Module in the market of Bangladesh on behalf of manufacturers company. For deatl please contact.

- **Business type:** marketing agent
- **Product types:** photovoltaic modules, photovoltaic cells, solar lighting systems.
- **Address:** Aram bag, Motijheel, , Dhaka, Bangladesh, Asia 1000
- **Telephone:** 880-2-7100131
- **E-mail:** [Send Email to Business Unlimited](#)

Creative Computers & Communications

- **Business type:** manufacturer, wholesale supplier, importer
- **Product types:** uninterruptible power supplies UPS, DC to AC power inverters sine wave, batteries lead acid sealed, solar charge controllers, solar street lighting, battery chargers, SOLAR PRODUCTS FOR RURAL LIFE DEVELOPMENT.
- **Service types:** consulting, installation, maintenance and repair services
- **Address:** 75-76 B.S Bhaban(3rd Floor,L3-108), Mirpur Road,(Science Laboratory), DHAKA, DHAKA BANGLADESH 1217
- **Telephone:** 880-2-8624889
- **FAX:** 880-2-9349118

First Bangladesh Technologies

- **Product types:** photovoltaic systems, wind energy systems (small), solar water heating systems.
- **Service types:** consulting, installation, project development services
- **Address:** H - 64, Road 17, Block E, Banani, Dhaka, Dhaka Bangladesh 1213
- **Telephone:** (880 2) 88 11 768
- **FAX:** (880 2) 8828836

G. K International

Dear Sir, We want to supply Pelet mill, Pelleting Dies, Silo plant, Power tiller, Passenger Lift, MBM, Protain, DCP, Export All Garments items . Please fell free to contact us ASAP. Thanks regards Goutom Paul(Managing director)0088-01716626694, 0088-02-9571602, House # 12/1, purana palton, Mollik Tower, 5th Floor, Dhaka - 1000. Bangladesh. E-. com

- **Business type:** exporter, importer, tender
- **Product types:** Improved Rice & Pulses seeds, Urea Fertiliser, TSP & MOP fertiliser, mechanised Fishing boat, Non-mechanised Fishing boat, water storage tanks, water pumps, air cooling systems, computer and electronic components, solar lighting systems, washers and dryers, Pelet mill, Pelleting Dies, Silo plant, Power tiller, Passenger Lift, Low lift irrigation Pump, Batch Dryers, Grain dryer, dissel Generator, gas Generator, Solar Generator, prefabricated silos(grain & sheed), Agro processing Equipment, MBM, Protain, DCP, Garments items.
- **Service types:** Agent
- **Address:** 12/1, Purana palton, Mollik Tower, 5th floor, , Dhaka, Bangladesh 1000
- **Telephone:** 0088-02-9571602
- **FAX:** 0088-02-9571496
- **E-mail:** [Send Email to G. K International](#)

Machine Tech BD.

- **Business type:** importer
- **Product types:** solar water pumping systems, solar water pumping systems, solar water pumping systems, solar water pumping systems, solar water pumping systems.
- **Address:** HOUSE # 153, ROAD #4, NEW D.O.H.S,MOHAKHALI., DHAKA-1206., BANGLADESH 1206
- **Telephone:** +88-02-8711071
- **FAX:** +88-02-8811147

OmniTech

- **Business type:** manufacturer, wholesale supplier
- **Product types:** DC to AC power inverters, uninterruptible power supplies UPS, solar electric power systems, wind turbines (small), batteries lead acid, solar water pumping systems.
- **Service types:** design
- **Address:** 79 Satmasjid Road (1st Floor), Dhanmondi R/A, Dhaka Bangladesh 1209
- **Telephone:** +(8802) 8120298, 8115302
- **FAX:** +(8802) 9556475

Rahimafrouz Renewable Energy Limited

- **Business type:** Integrator and Installer of Solar PV systems, Electronics assembler
- **Product types:** Solar Home Lighting, Solar Street Lighting, Solar Water Heating, Solar Water Pumping, Lanterns, Telecommunication and Navigation solutions, large centralized systems..
- **Address:** 260-B Tejgaon Industrial Area, 1st Floor,, Dhaka, Bangladesh 1208
- **Telephone:** 00880-2-8832206, 8832207, 8832208
- **FAX:** 00880-2-8832209

Raisa International

- **Business type:** importer
- **Product types:** solar cooking systems, solar water pumping systems.
- **Service types:** installation
- **Address:** North Aouchpara, Mollabari Bazar, Tongi, Gazipur, Bangladesh Bangladesh
- **Telephone:** 0188181453

Sano Corporation

- **Business type:** wholesale supplier, importer
- **Product types:** hybrid power systems, gas turbine electric generators, solar cooking systems, solar roofing systems, backup power systems, home automation, Large Project Representation for Power Plant, Transmission Lines, Bridges, Roads & Highways etc.
- **Address:** Sabbir Tower (3rd fl), 3/4 A Purana Paltan, Dhaka, Bangladesh 1000
- **Telephone:** +880173006168

Sun'NRG

- **Business type:** manufacturer, retail sales, wholesale supplier, exporter, importer
- **Product types:** solar charge controllers, DC lighting, LED lighting, DC to AC power inverters.
- **Address:** 61/A Lake Circus, Kalabagan, Dhaka, Bangladesh Bangladesh 1229
- **Telephone:** +880 2 914 3721
- **FAX:** +880 2 914 6181

SUN-NRG Bangladesh

- **Business type:** manufacturer/ system design& installation
- **Product types:** solar charge controllers, , solar electric power systems, Solar Home System, Solar LED Lantern, , EPS, IPS, .
- **Address:** 61/A - Lake Circus, Kalabagan, Dhaka-1205, Bangladesh
- **Telephone:** 88-02- 01914 209816 / 0666 2609784

TechnoLink International

- **Business type:** wholesale supplier, service, trade association, importer, contractor, engineering
- **Product types:** automotive starting batteries, telecommunication batteries, lead calcium batteries, battery chargers, nickel cadmium batteries, lead acid batteries, Solar systems.
- **Address:** 120/17/1 Kabi Benazir Bagan, Shahjahanpur, Dhaka, Dhaka Bangladesh 1217
- **Telephone:** 880-2-9351548
- **FAX:** 880-2-9351548

United Exim Corporation.(Attn.: Firoj Alam Bhuiyan)

- **Business type:** manufacturer, wholesale supplier, exporter, importer
- **Product types:** i)Solar Energy ii)IPS iii)UPS iv) Brand Electric Motors v) Water Pumps vi) Escalators vii) Elevators/Lifts (Good quality) viii) Colored Glasses for high rise buildings ix) Generators x) Air Conditioners .
- **Address:** House 15, Road 9, Pisciculture HS, Shekhertek, Mohammadpur, Dhaka, Bangladesh Bangladesh 1207
- **Telephone:** 880-2-9123707
- **FAX:** 880-2-9115452

World Business Mart

- **Business type:** manufacturer, wholesale supplier, importer
- **Product types:** solar charge controllers, photovoltaic module,Solar Radio, Solar Siren, Complete lamp shade including inverter, Plastic lamp shade .
- **Service types:** Solar Power
- **Address:** 14/1, Middle Paikpara, Mirpur-1, Dhaka-1216 Bangladesh 1216
- **Telephone:** 88029011620
- **FAX:** 88029011620

Xebec & Partners Limited

- **Business type:** manufacturer, retail sales, wholesale supplier, importer
- **Product types:** solar electric power systems, telecommunication batteries, fluorescent lighting, marine power systems, remote home power systems, wind energy systems (large).
- **Service types:** installation, construction, maintenance and repair services
- **Address:** H-71 (2nd Floor) New Airport Road, Amtoli, Mohakhali, Dhaka1212 Bangladesh
- **Telephone:** 880 2 988 2024
- **FAX:** 880 2 882 5379

Source:

Solar Energy Business in Bangladesh

Website: <http://energy.sourceguide.com>

Renewable Energy Technology (RET) hardware manufactures /producers in Bangladesh:

Organizations involved in sales, promotion & development of renewable energy technology (ret) hardware's in Bangladesh:

1. [RAHIMAFROOZ Batteries Ltd](#)
2. [Grameen Shakti \(Non Government Organization\)](#)
3. [ENERGY SYSTEM/ PRAKAUSHALI SANGSAD LTD \(Non Government Organization\)](#)
4. [CENTER FOR MASS EDUCATION IN SCIENCE \(Non Government Organization\)](#)
5. [SIEMENS/SHELL SOLAR Bangladesh Ltd.](#)
6. [Sun NRGey Bangladesh](#)
7. [Fair Trade International](#)
8. [Micro Electronics](#)
9. [EnergyPack \(Power Generation Ltd\)](#)
10. [INNOVATIVE TECHNOLOGIES LTD](#)

Address of Regional Sales/Service centers offered by NGO's

Some other Company / Entrepreneurs

1. **Advanced Biogas Technology**
House 153, Road 3, Mohammadpur Housing Society
Mohammadpur, Dhaka-1207
Bangladesh
Phone: +88-02-8120510, 912 1366
Email: advance@dhakacom.com
Web: www.advancebiogas.com
2. **Japan - Bangladesh Energy & Environmental Development Corporation Ltd.**
Concern of Japan - Bangladesh Group
Planners Tower (8 th Floor) 13/A Sonargaon Road
Dhaka, Bangladesh
Phone: +88-02-966 3103, 966 9688, 9677263
Email: jbdgroup@bdn-bd.net
Web: www.jbgroup.biz
3. **Ohi International**
(A house of environmental consultancy & analysis)
Solar Agent (VOLTAS, a TATA enterprise)
218, Newelephant Road(9th Floor)
Room 2, Bata Signal Apex Gallery Building
Dhanmondi, Dhaka-1205
Bangladesh
Phone: +88-02-8653389, 9661846
Mobile: +88-01720-0242917
Email: monir_ohi@yahoo.com
4. **JB - Index (an international group for a worldwide business)**
Planners Tower (8th floor)
13/a, Sonargaon Road
Dhaka, Bangladesh
Phone: +88-02-835 3604
email: index@mtlbd.net

- 5. Nooreya Biogas and Engineering**
Nooria Manshion
House 95/1, Dr. Kudrat-e-Khuda Road(New Elephant Road)
Dhanmondi, Dhaka-1205, Bangladesh
Phone: +88-02-8616458, 8625673
Mobile: +88-01711-821795
- 6. RIMSO Battery & Co.(Produce Battery)**
21/1 Court House Street, Dhaka-1100
Bangladesh
Phone: +88-02-7115349, 7123143
- 7. Bangla CAT(Bangla Trac Limited)**
Corporate Office : 4 Mohakhali C/A, Dhaka-1212, Bangladesh
Tel: +88-02-8859812-3, 8831982
Fax: +88-02-8857650
E-mail: info@banglacat.com
Web: www.banglacat.com
- 8. GS Brand Gas Saver**
Jabeda Manshion(3rd Floor)
119 Fokirapool
Dhaka-1000, Bangladesh.
Tel: 88-02-9332460,8114091
Mobile: +88-01711-529922
- 9. Innovative Technologies Ltd(Solar Equipments)**
Electronics Complex, BSCIS
Room 302(5th Floor), Plot 1/1
Road no 03, Avenue 4, Section 7
Mirpur, Dhaka-1216, Bangladesh
Email: noorhos@citechco.net
Mobile: +88-01713-007490
- 10. Bangladesh Advanced Energy Systems (Distributor Kyocera Solar Panel)**
House 43, Road 4/A
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- 11. Upokulio Biddutayan O Mahla Unnayon Samity**
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12. Srizony Bangladesh (A Non Profit and Voluntary Orgainzation)

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Email :[srizonyb@accesstel.net] , [srizonyb@bttb.net.bd]

13. Prakaushali Sangsad Ltd.

<http://www.psldhaka.org/recentprojects.htm>

Source:

Renewable Energy & Environmental Information Network (Reein)

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Website: <http://www.reein.org>