

## 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](mailto: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

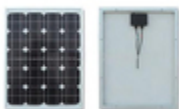
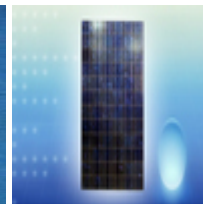


**Code:** TS601

**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>

# RE Practices in Bangladesh - Solar PV Technologies

## 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<sup>m</sup> 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/cm<sup>2</sup> 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](mailto:raco@rahimafrooz.com)

## RE Practices in Bangladesh - Solar PV Technologies

### 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

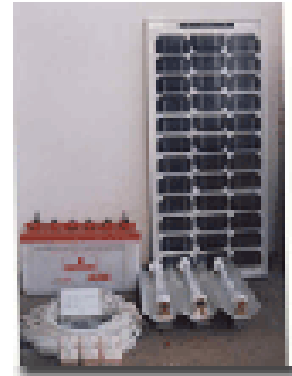
- 1x30 Wp PV Module.
- 1x12V, 71AH @ 100HR Positive Deep cycle Solar Battery
- 1x10A, 12V Charge Controller
- 2x7W FTL Lamps
- Mounting Structure
- Accessories

##### 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](mailto:reein@dhaka.net), myreein@yahoo.com, reeinorg@hotmail.com,

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

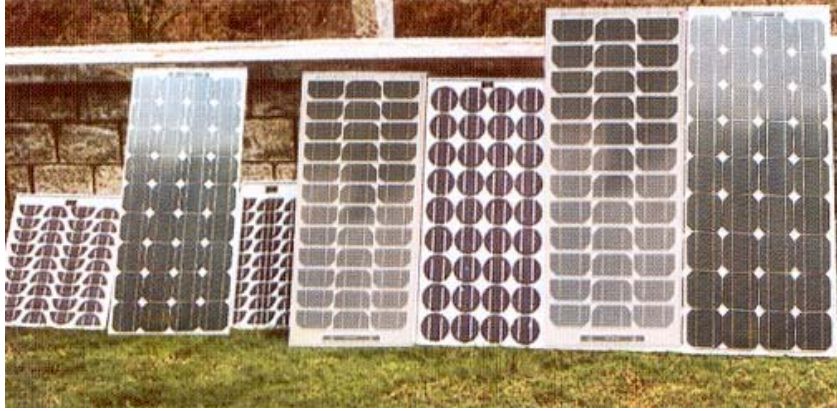


## RE Practices in Bangladesh - Solar PV Technologies

### SOLAR PRODUCTS FOR RURAL LIFE DEVELOPMENT

#### 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 form 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](mailto:munawar@rahimafrooz.com), [sazzad@rahimafrooz.com](mailto:sazzad@rahimafrooz.com),

<http://www.rahimafrooz.com>

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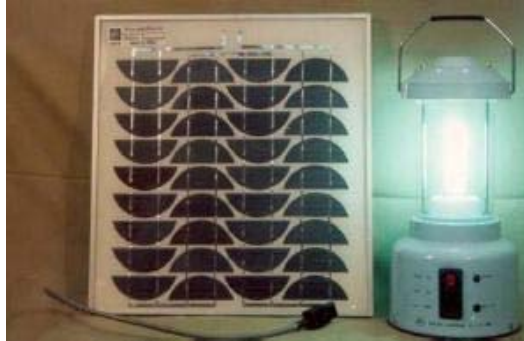
**Renewable Energy & Environmental Information Network (Reein)**

E-mail: [reein@dhaka.net](mailto:reein@dhaka.net) , [myreein@yahoo.com](mailto:myreein@yahoo.com) , [reeinorg@hotmail.com](mailto:reeinorg@hotmail.com) , [reeinorg@gmail.com](mailto: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](mailto:reein@dhaka.net), [myreein@yahoo.com](mailto:myreein@yahoo.com), [reeinorg@hotmail.com](mailto:reeinorg@hotmail.com), [reeinorg@gmail.com](mailto: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<sub>dc</sub> < 175V  
Max, Short circuit current I<sub>sc</sub> = 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<sub>dc</sub> < 175V  
Max, Short circuit current I<sub>sc</sub> = 14Amp DC

#### Source:

**Renewable Energy & Environmental Information Network (Reein)**

E-mail: [reein@dhaka.net](mailto:reein@dhaka.net) , [myreein@yahoo.com](mailto:myreein@yahoo.com) , [reeinorg@hotmail.com](mailto:reeinorg@hotmail.com) ,  
[reeinorg@gmail.com](mailto: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

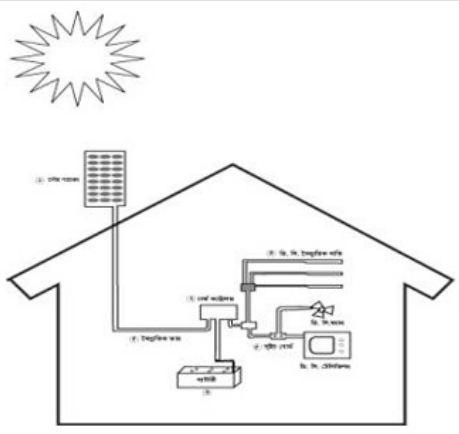
**Price** : @ Tk. 8000.00 (Eight thousand only).

**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.

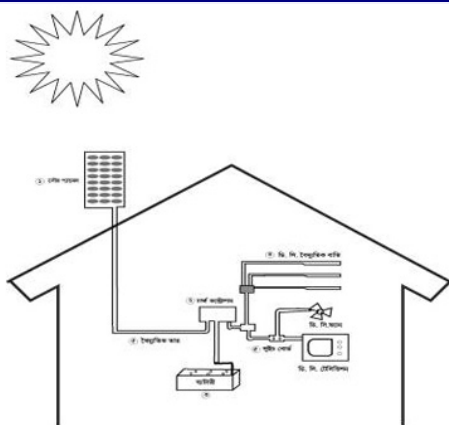
**Price** : @ Tk. 20,000.00 (Twenty thousand only)

**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.

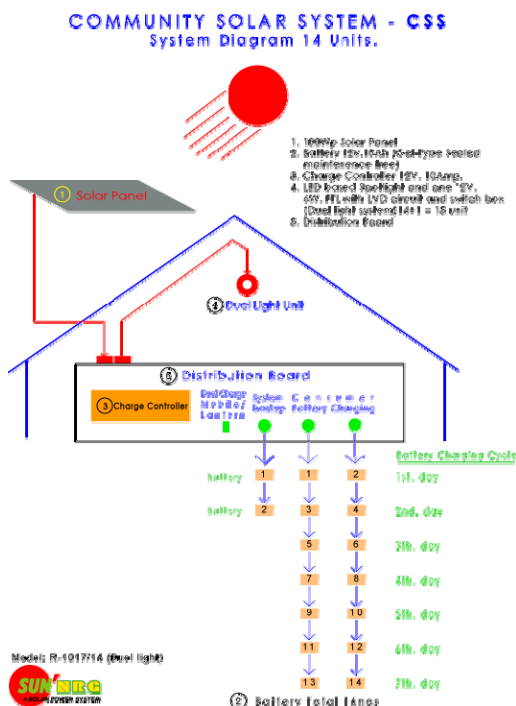
**Warranty:** Battery 06 months (supplier's). Life expectancy is more than 5 years, if properly maintained.; Inverter 02 years (manufacturer's)

**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:

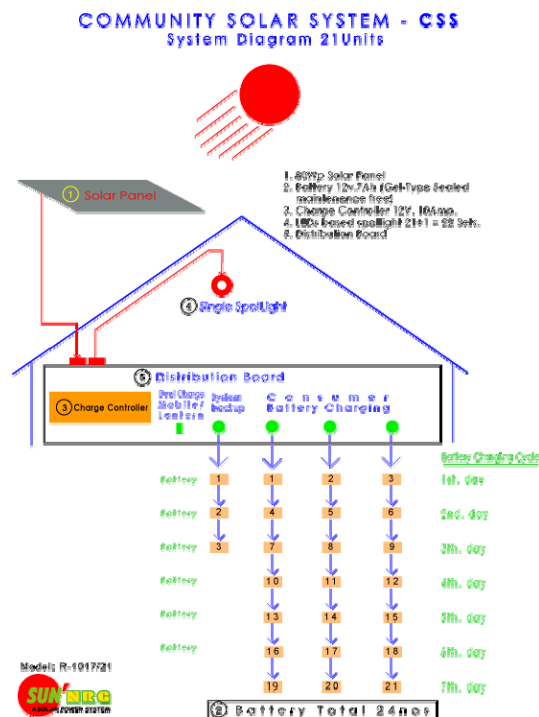
I.	12V. 7Ah @ 20 HR maintenance free Sealed Gel Battery	1 No.
II.	LED's based (With Wire, Switch, Nails etc) spotlight	1 No.

**Warranty:** Battery 06 months (supplier'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

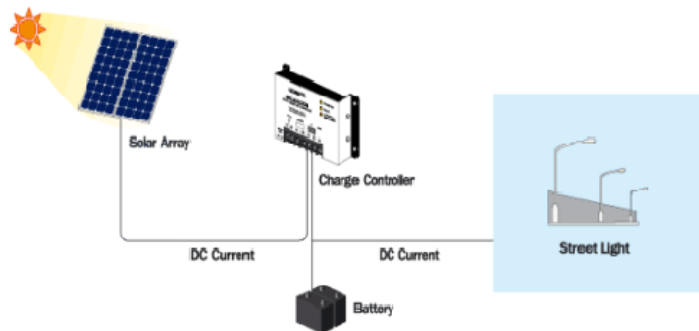
Telephone: ++88-02- 9143721; Fax. ++88-02-9146181

E-mail: [levatus@bdonline.com](mailto:levatus@bdonline.com), [sun.nrg@vahoo.com](mailto:sun.nrg@vahoo.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; <b>size 30 Wp Type 1</b>	A 12 V 6 W LED lamp (yellow) 12 hours use
Solar street light system; <b>size 30 Wp Type 2</b>	A 24 V 7 W LED lamp (yellow) 12 hours use
Solar street light system; <b>size 30 Wp Type 3</b>	A 24 V 9 W LED lamp (yellow, white) 12 hours use
Solar street light system; <b>size 30 Wp Type 4</b>	A 24 V 11 W LED lamp (white) 12 hours use
Solar street light system; <b>size 30 Wp Type 5</b>	2 bulbs of 12 V 6 W LED lamp (yellow) 12 hours use
Solar street light system; <b>size 30 Wp Type 6</b>	2 bulbs of 24 V 7 W LED lamp (yellow) 12 hours use
Solar street light system; <b>size 30 Wp Type 7</b>	2 bulbs of 24 V 9 W LED lamp (yellow, white) 12 hours use
Solar street light system; <b>size 30 Wp Type 8</b>	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](mailto:levatus@bdonline.com), [sun.nrgev@yahoo.com](mailto:sun.nrgev@yahoo.com)

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

#### Source:

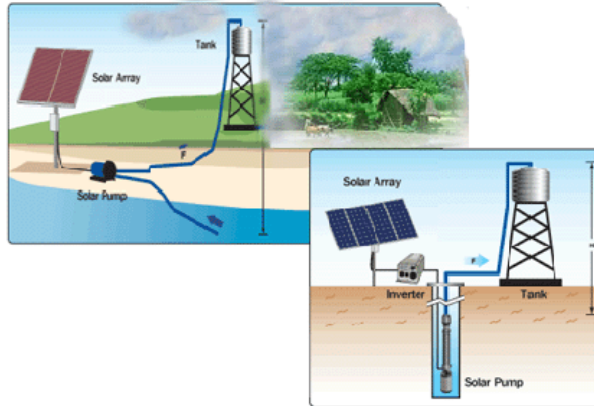
Renewable Energy & Environmental Information Network (REEIN)

E-mail: [reein@dhaka.net](mailto:reein@dhaka.net), [myreein@yahoo.com](mailto:myreein@yahoo.com), [reeinorg@hotmail.com](mailto:reeinorg@hotmail.com), [reeinorg@gmail.com](mailto: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 <b>50 Wp</b> / Surface DC Pumps	Pump 1600 liter/day and lift up 6 meter high
Solar pump system; size <b>350 Wp</b> / Submersible DC Pumps	Pump 3500 liter/day and lift up 30 meter high
Solar pump system; size <b>600 Wp</b> / Submersible DC Pumps	Pump 7500 liter/day and lift up 38 meter high
Solar pump system; size <b>900 Wp</b> / Submersible DC Pumps	Pump 15000 liter/day and lift up 38 meter high
Solar pump system for agriculture and irrigation <b>Type 1</b> / SDC Pump	Pump 12150 liter/day and lift up 6 meter high
Solar pump system for agriculture and irrigation <b>Type 2</b> / SDC Pump	Pump 12150 liter/day and lift up 8.5 meter high
Solar pump system for agriculture and irrigation <b>Type 3</b> / SDC Pump	Pump 12150 liter/day and lift up 13 meter high
Solar pump system for agriculture and irrigation <b>Type 4</b> / 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](mailto:levatus@bdonline.com), [sun.nrgv@yahoo.com](mailto:sun.nrgv@yahoo.com)

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

#### Source:

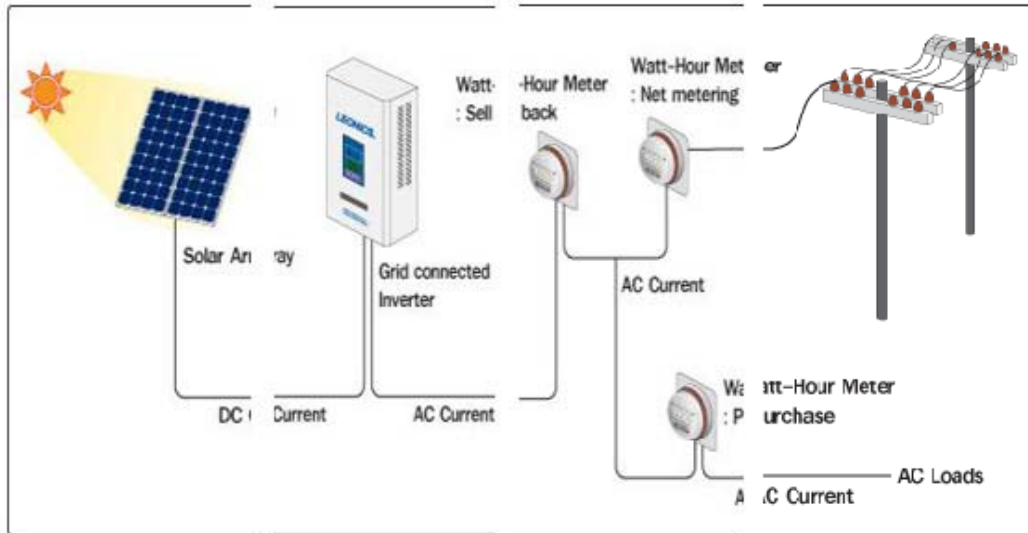
Renewable Energy & Environmental Information Network (REEIN)

E-mail: [reein@dhaka.net](mailto:reein@dhaka.net), [myreein@yahoo.com](mailto:myreein@yahoo.com), [reeinorg@hotmail.com](mailto:reeinorg@hotmail.com), [reeinorg@gmail.com](mailto: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 <b>2500 Wp</b>	2770 kWh per year
Grid connected solar system; size <b>2800 Wp</b>	2990 kWh per year
Grid connected solar system; size <b>3800 Wp</b>	4860 kWh per year
Grid connected solar system; size <b>4600 Wp</b>	4880 kWh per year
Grid connected solar system; size <b>4800 Wp</b>	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](mailto:levatus@bdonline.com), [sun.nrgv@yahoo.com](mailto:sun.nrgv@yahoo.com)  
Webpage: <http://www.sun-nrg.org>

#### Source:

Renewable Energy & Environmental Information Network (REEIN)

E-mail: [reein@dhaka.net](mailto:reein@dhaka.net), [myreein@yahoo.com](mailto:myreein@yahoo.com), [reeinorg@hotmail.com](mailto:reeinorg@hotmail.com), [reeinorg@gmail.com](mailto: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](mailto:hfsks@bdonline.com)

### Source:

Renewable Energy & Environmental Information Network (REEIN)

E-mail: [reein@dhaka.net](mailto:reein@dhaka.net), [myreein@yahoo.com](mailto:myreein@yahoo.com), [reeinorg@hotmail.com](mailto:reeinorg@hotmail.com), [reeinorg@gmail.com](mailto: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](http://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 m<sup>3</sup> 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](mailto:levatus@bdonline.com), [sun.nrgey@yahoo.com](mailto:sun.nrgey@yahoo.com)

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

**Source:**

**Renewable Energy & Environmental Information Network (REEIN)**

E-mail: [reein@dhaka.net](mailto:reein@dhaka.net), [myreein@yahoo.com](mailto:myreein@yahoo.com), [reeinorg@hotmail.com](mailto:reeinorg@hotmail.com), [reeinorg@gmail.com](mailto: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 BangladeshSolar Energy Business

### 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 commpany. 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](mailto:advance@dhakacom.com)  
Web: [www.advancebiogas.com](http://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](mailto:jbdgroup@bdn-bd.net)  
Web: [www.jbgroup.biz](http://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](mailto:monir_ohi@yahoo.com)
4. **JB - Index (an international group for a worldwide business)**  
Planners Tower ( 8th floor)  
13/a, Sonargaon Road  
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Phone: +88-02-835 3604  
email: [index@mtlbd.net](mailto:index@mtlbd.net)

- 5. Nooreya Biogas and Engineering**  
Nooria Manshion  
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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](mailto:info@banglacat.com)  
Web: [www.banglacat.com](http://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](mailto:noorhos@citechco.net)  
Mobile: +88-01713-007490
- 10. Bangladesh Advanced Energy Systems (Distributor Kyocera Solar Panel)**  
House 43, Road 4/A  
Dhanmondi R/A  
Flat A5, Dhaka-1209, Bangladesh.  
Email: [habibul.islam@baesbd.com](mailto:habibul.islam@baesbd.com)  
Web: [www.baesbd.com](http://www.baesbd.com)  
Tel: +88-02-8622485,8620934 Ext. 109  
Mobile: +88-01715- 780165
- 11. Upokulio Biddutayan O Mahla Unnayon Samity**  
House 4, Road 6, Block C  
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**12. Srizony Bangladesh (A Non Profit and Voluntary Orgainzation)**

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**13. Prakaushali Sangsad Ltd.**

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

**Source:**

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