



(Hubli) LTD.

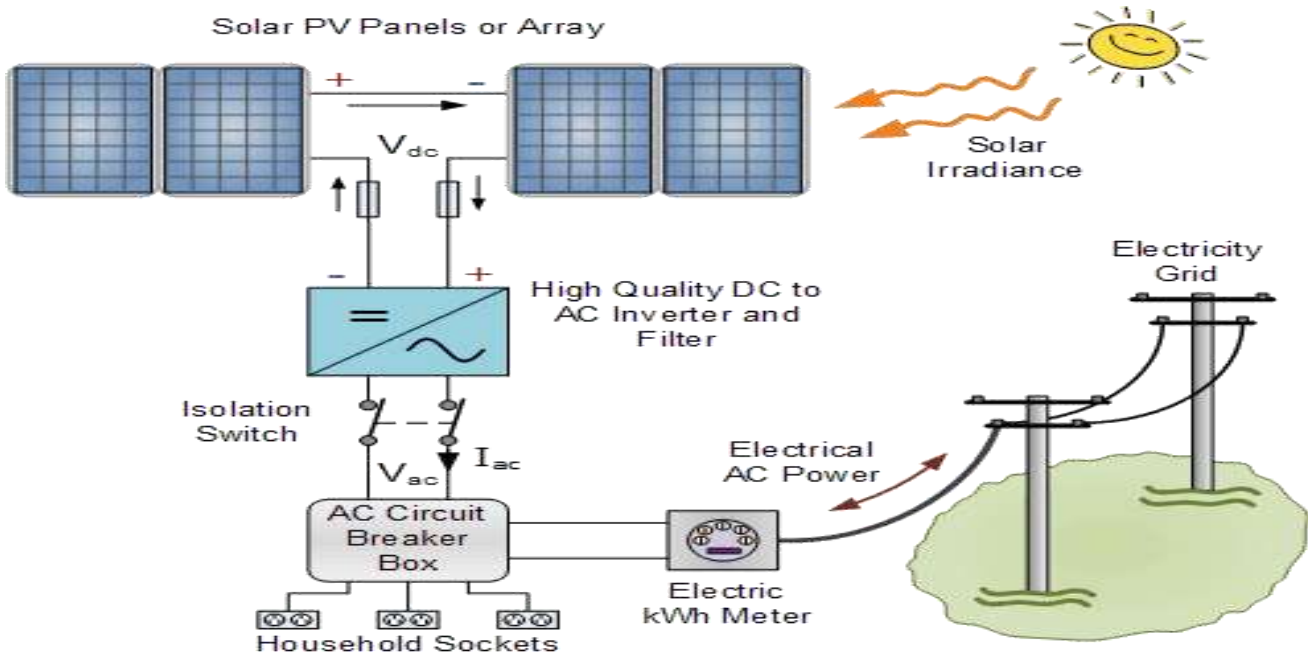


Shines Forever

* _____ Go Green

With Sun Power _____ *

SOLAR GRID TIED POWER PLANT



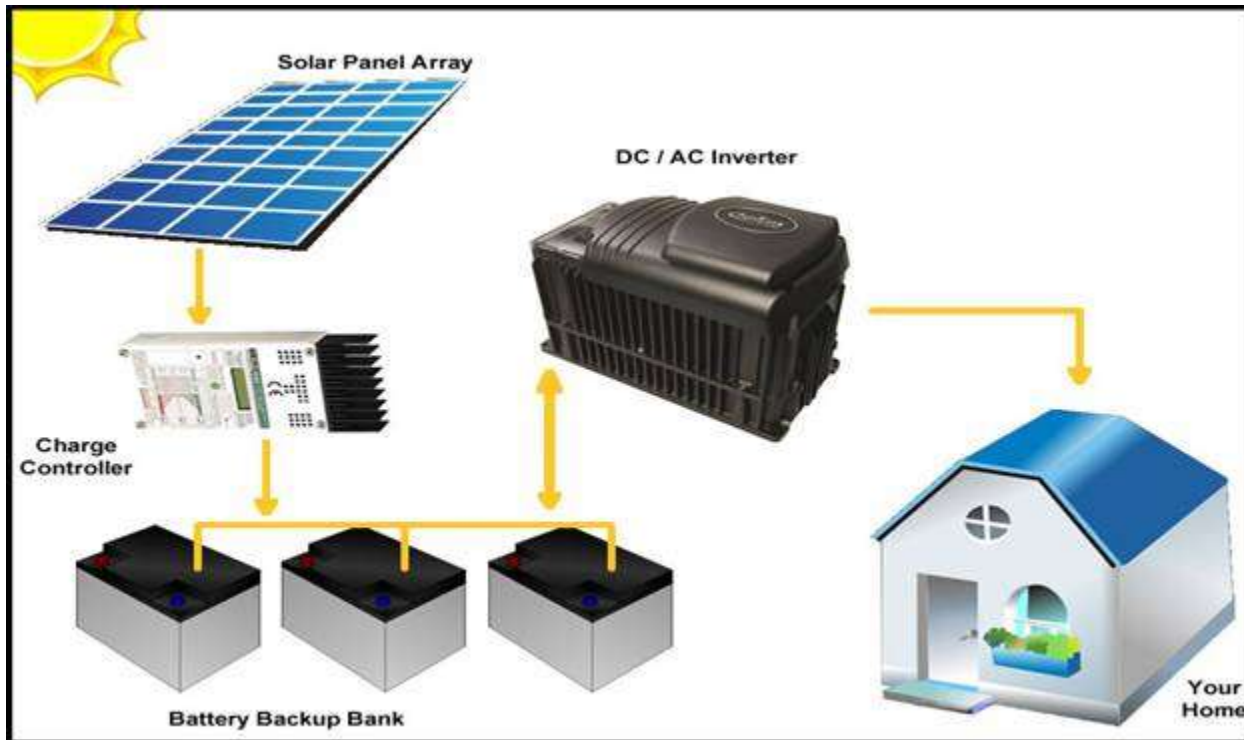
FEATURES:

- Single/ three phase
- Grid Feed at 230/440/11KVA/33KVA/66KVA
- Roof top / Ground mountable with option of tracking for higher energy yield
- Maximum power harvesting with full range of protection
- Online Remote Monitoring through internet for trouble free operation
- Peak Power range from 1KW up to 500KW
- Approved by MNRE

BENEFITS:

- Consumers become generator for their own electricity requirements.
- Reductions in monthly electricity Bill.
- Reduction in diesel consumption whenever DG backup is provided.
- Feeding excess power to the grid with tariff mechanism.

SOLAR POWER PLANT – OFF GRID



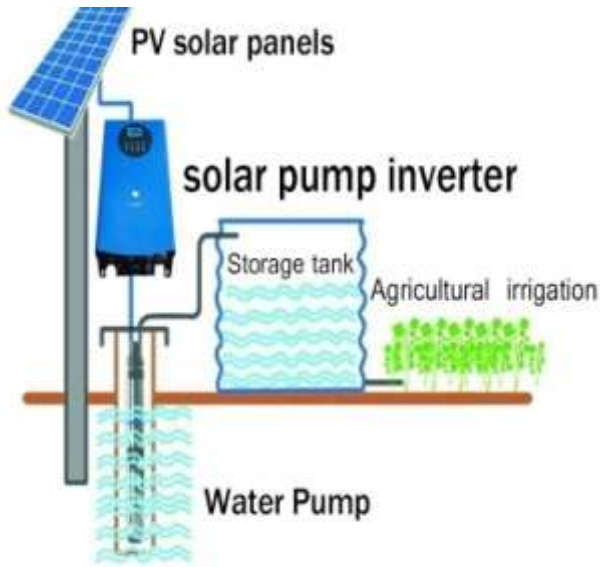
FEATURES:

- Single phase / Three phase AC power with Backup
- Pure sine wave output
- Hybrid System for uninterrupted power supply
- Remote monitoring for trouble free operating
- Suitable for homes, Bungalows, office, commercial establishments,
- R&D Laboratories, Rural Hamlets, community Centres, etc.,
- Modular design from 1KW to 100KW with backup
- Roof top / Ground Mountable

BENEFITS:

- Consumers become generator for their own electricity requirements.
- Reduction in monthly electricity Bill.

SOLAR PUMPING SYSTEM



FEATURES:

- Solutions for single phase and three phase pumps
- Built in MPPT for maximum discharge
- Automatic operation, Auto Recognition of Day/night condition
- As per MNRE standards
- Ideal for Farming.
- Easy installation and maintenance
- Hybrid topology to run on solar and mains
- Wide range of discharge and head to suit varies applications

	Bore well Pumps	Open well Pumps	Surface Pumps
Discharge	2000 to 700000Lpd	30000 to 600000 Lpd	4000 to 100000 Lpd
Total Head	15 to 600ft	20 to 100 ft	20 to 30 ft
PV Module Watt	0.5 to 30Kwp	0.5 to 10 Kwp	0.5 to 25Kwp

Sun Solar Pumping system provides water pumping solutions to Agriculture. The pumping system will run on solar power when sunlight is available and also on conventional power during night without changing your pump or other hardware.

The system can operate single phase/ three phase pumps of both surface & submersible type. The system comprises solar array mounted on a fixed Axis Structure and a variable speed motor pump driver to convert the DC power from solar panel to variable speed alternating current. The unit has a soft start speed controller mechanism and necessary protection devices. The unit has maximum power point Tracking (MPPT) technology to harvest maximum power from solar panels and deliver maximum power to pump water.

DC HOME LIGHTING SYSTEM



FEATURES:

- Solar Lighting solution for rural use
- No power required, operates only on solar
- PWM Technology
- Bright light for indoor use
- Safety protection for high cut off, low cut off & temperature compensation

SPECIFICATIONS:

PV Module : Crystalline cells 12V, 18Wp to 74 Wp

Battery : Lead Acid Low maintenance 12V 20AH to 75AH

Luminous : 12V 7W/9W/11W operation frequency 20 KHz-34 KHz

	Model - 1	Model -2	Model -3	Model-4
PV Module	1x18W	1x37W	2x37W or 1x74W	2x37W or 1x74W
Lamps	1xCFL (9W/11W)	2x CFLs(9W/11W)	2x CFLs(9W/11W) 1 DC Fan	4x CFLs(9W/11W)
Other components: Control electronics, module moulding hardware, battery box, inter-connecting wires/cables, switches, etc. Operation, instruction and maintenance manual				

SOLAR STREET LIGHT- LED



FEATURES:

- Super Bright LED Source with Photometric Design for Rectangular beam pattern
- High Intensity, high Uniformity and Glare Eliminated light
- Module Integrated design, Long Life, Easy Maintenance
- No hassle of build Bulb replacements, perfect for Roads, Expressways, and Highways.
- Eliminates the Visual Fatigue which is caused by traditional street lights.
- High Colour Index Tremendous Energy Saving compared to traditional Lamp
- Totally Green. No Lead, No Mercury and No Pollution
- DC/AC type for Easy adaptation to standby and

SPECIFICATIONS:

Module	: 1x45Wp
Battery	: 12V 40 Ah, Lead Acid tubular Type
Charge Controller Unit	: 6 Amps with Dusk to Dawn control
Lamp/Load	: 12W super bright LED
Luminaries Housing	: Weather Proof with High illuminative acrylic & reflector
Cable	: 2.5 Sq.mm, 2 Core Insulated
Pole	: Galvanized MS with 4.5 mtrs, Height
Battery Box	: Corrosion resistant painted steel box
Module Mounting Structure	: Galvanized MS
Hardware's & Accessories	: SS 304

SOLAR PHOTOVOLTAIC MODULES



FEATURES:

- Best Performance with stable yields
- PID resistance Raw material
- Tested and Proven reliability at reputed Laboratories
- Best Performance even in adverse climatic conditions
- Air tight Junction Box for Moisture Resistance and long life
- Extra Sturdy Frame with Satin Silver Finish for Strength and Look
- Zero Toxic Components & sealants
- 10 Years of products warranty and 25 Years of performance warranty

APPLICATIONS:

- Off Grid Residential Roof top System
- Off-Grid / On Grid Commercial Roof top System
- Grid Tied Solar Power Plant
- Solar Pumping System
- Solar Street Lighting Systems – Rural

SOLAR PHOTOVOLTAIC MODULES

PV Modules Range

Model	Pmax	Voc(V)	ISC(A)	Vmp(V)	Imp(A)	No. Of cells	Weight(Kg)	Size(mm)
SS0010	10W	21.24	0.59	17.64	0.57	36	1.1	350x235x20
SS0020	20W	22.53	1.18	18.61	1.08	36	2.8	360x450x20
SS0030	30W	21.24	1.77	17.64	1.7	36	3.0	665x415x20
SS0037	37W	22.42	2.1	18.73	1.98	36	3.0	665x415x20
SS0040	40W	21.24	2.37	17.64	2.27	36	4.0	665x470x30
SS0045	45W	21.69	2.81	17.07	2.63	36	4.0	665x470x30
SS0050	50W	22.28	2.91	18.55	2.7	36	4.0	665x530x30
SS0060	60W	21.24	3.55	17.64	3.4	36	6.0	1005x505x30
SS0070	70W	22.46	4.00	18.6	3.76	36	6.0	1005x505x30
SS0074	74W	22.42	4.2	18.83	3.93	36	6.0	1005x505x30
SS0080	80W	22.24	4.71	18.36	4.36	36	6.0	665x905x30
SS0100	100W	22.28	5.83	18.55	5.39	36	7.5	1005x680x30
SS0125	125W	21.92	7.72	17.82	7.01	36	10.5	990x850x30
SS0150	150W	22.46	8.46	18.8	7.98	36	11.2	1005x990x34
SS0150	150W	44.92	4.23	37.69	3.98	72	11.2	1005x990x34
SS0180	180W	44.49	5.27	36.71	4.91	72	15.6	1325x990x45
SS0190	190W	45.07	5.36	37.36	5.09	72	15.6	1325x990x45
SS0200	200W	44.92	5.65	37.96	5.27	72	15.6	1325x990x45
SS0230	230W	37.2	7.95	30.79	7.47	60	18.5	1635x990x45
SS0240	240W	37.65	8.49	30.16	7.96	60	18.5	1635x990x45
SS0250	250W	37.32	8.56	31.2	8.02	60	18.5	1635x990x45
SS0250	250W	44.56	7.29	37.15	6.73	72	18.5	1635x990x45
SS0270	270W	44.49	7.8	36.07	7.22	72	22.0	1955x990x45
SS0290	290W	44.13	8.13	36.79	7.88	72	22.0	1955x990x45
SS0300	300W	44.2	8.32	36.79	8.15	7	22.0	1955x990x45

*Power output measured at Standard test conditions, Module temp - 25° C & Air mass - 1.5 and Power Output Tolerance: ± 3%.

* Abbreviations: **Voc** - Open Circuit Voltage, **ISC** – Short Circuit Current, **Vmp** – Maximum Voltage, **Imp** – Maximum Current, **Pmax** – Maximum Power at **STC**.



Shines Forever

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