




**BUNT
SOLAR**
ENERGISING INDIA



B. Chandrashekhar Shetty
Managing Director
Bunt Solar India Pvt. Ltd.

Who we are ?

An emerging name in the Indian Solar market, Bunt Solar India Pvt. Ltd. offers an array of renewable energy related products with International standard quality and performance. Backed by our superior product range and vastly experienced team, we are fully adept to cater to your renewable energy requirements ensuring complete customer gratification.

Bunt Solar India Pvt. Ltd. is a privately held company located in Bangalore, Karnataka that was set up by a group of solar industry veterans. We founders have collectively over 25 years of enriching experience in R&D, Manufacturing, Techno Sales & Operation expertise in the solar industry. We are ISO 9001-2000, TUV, MNRE, NSIC, MSME & BIS(ISI) certified, KEONICS empanelled and CARE rated company.

Bunt Solar India Pvt. Ltd. is unique in establishing a dedicated branch network to serve local solar market in all parts of India. "Bunt Solar" has already opened 500 plus network branches across India and it has planned to cross 1000 branches through Franchisee, Master Dealer, Dealer & direct run operations before 2020. Majorly we are selling small solar home lighting systems in rural parts of India and big SPV off grid, on grid, solar water heaters, Eco UPS and energy efficient appliances (Including LED product) in semi urban and urban parts of India.

Our comprehensive range of products and services aims at complete customer delight. To achieve this, we handhold you through every step in the process that includes pre-investment consultation, feasibility study, energy audits, detailed project report, guidance to attractive financing alternatives, installation & testing, assured after sales service and cost-effective annual maintenance contract. With our sales & service centers and dealer network strategically spread across, India & adjacent countries. Bunt Solar offers prompt, economical and reliable services to ensure exceptional customer satisfaction.

We have bagged National & International recognition as a "Fastest Growing Indian Company Excellence Award 2013-14 from Indian Economic Development & Research Association (IEDRA), New Delhi" and "Leading Emerging Indian Company of the year Award" from International Achievers Summit, Bangkok-Thailand 2015.

Our Vision

To encourage renewable energy utilization by citizens in day to day lives by innovating, manufacturing and supplying useful, affordable and efficient renewable energy products.

Our Mission

Our Mission is to provide high quality, efficient, affordable & hassle free Renewable Energy products backed by effective after sales service to ensure high customer satisfaction. To also contribute in Nation Building by encouraging citizens to utilize renewable energy in day to day lives and reduce carbon footprint to sustain a healthy life on the planet.



MD addressing Annual Day Celebration - 2015

THERMAL PROJECTS

COMMERCIAL SOLAR WATER HEATER (ETC series)



Special Features

- Non Stick Coated MS Tank / Stainless Steel Inner Tank
- Superior insulation with high density puff / rockwool
- GI Powder Coated / Aluminium Outer Cladding
- 47mm / 1500 mm & 58mm / 1800mm highly efficient evacuated Triple coated tubes
- 7 tank processed MS Powder coated structure for rust free life.
- Optional Electrical backup Coil for cloudy days
- Optional Temperature gauge feature
- Available from 1,000 LPD to 1,00,000 LPD Capacity (Non-pressurized / Pressurized)
- Suitable for Hospital, Hotel, Hostel & all Industrial applications



THERMAL PROJECTS

COMMERCIAL SOLAR WATER HEATER (FPC Series)

Special Features

- Non-stick coated MS tank / Stainless steel inner tank
- Superior insulation with high density puff / Rockwool
- GI Powder Coated / Aluminium Outer Cladding
- Highly Efficient & durable copper collector
- 7 tank processed MS powder coated structure for rust free Life
- Electrical back up coil for cloudy days
- Temperature Gauge feature
- CPR*- pressurized systems for better shower
- CPRH** - pressurized & heat exchanger model for hard water & high pressure
- Available from 1,000 LPD to 1,00,000 LPD Capacity (Non-pressurized / Pressurized)
- Suitable for Hospital, Hotel, Hostel & all Industrial applications



COMMERCIAL WATER HEATERS (Pressurized Type)



Special Features

- In pressurized water heaters, the inlet to the Solar Tank is through a Pressure Pump.
- CPR system do not have an air vent (as with normal atmospheric vented systems), but have a safety valve instead, to release the pressure build-up inside the tank.
- The tanks used in these systems have a dished-end construction and are of a higher thickness to withstand a working pressure upto 5kg/sq.cm.
- Typical inlet pressure from pressure pumps is around 3-5 kg/sq.cm.
- Where the overhead tank (original source of the cold water) is at a low level
- Where high-pressure, hot water flow is required as in shower panels, jet showers, telephone showers etc.
- Where the number of hot water points required is more than normal

COMMERCIAL WATER HEATERS (Heat Exchanger Type)



Special Features

- This type of Solar Water Heater System will be used for higher TDS rating hard water.
- A Thermal fluid is higher PPM rating of water filled through a make-up tank in to the outer tank.
- In make up tank, fluid gets circulated through the solar collector fins and tubes and goes back into the top of the outer tank.
- This fluid acts as a medium for heat transfer and prevents clogging in collector fins & tubes.

SWIMMING POOL HEATING



Special Features

- Swimming Pool Heating System comes in both gas and heat pump varieties of pool heaters.
- Solar collector - the device through which pool water is circulated to be heated by the sun
- Filter - removes debris before water is pumped through the collector
- Pump - circulates water through the filter and collector, and back to the pool
- Flow control valve - automatic or manual device that diverts pool water through the solar collector.
- Cost effective and very low annual maintenance

BUNT SOLAR DOMESTIC HEAT PUMP SYSTEM

Special Features

- ◆ Heat pump with integrated 289 Ltr cylinder for heating domestic hot water.
- ◆ Attractive design with high-gloss polystyrene jacket and hood made from EPP. Electronic control with LC display and extensive control functions (e.g. time programs, SG Ready).
- ◆ Three different domestic hot water temperatures can be set for optimal use of self-generated power or load-variable tariffs.
- ◆ User-friendly operation.
- ◆ Side supply and exhaust air stubs for easier installation in low room heights.
- ◆ High-quality cylinder insulation for low losses, steel cylinder, enameled coating.
- ◆ Very compact & attractive design



Heat Pump
Cross Sectional Diagram



Heat Pump System

BUNT SOLAR HEAT PUMP HYBRID SYSTEM

Special Features

- ◆ Heat from Ambient Air is absorbed by evaporator coils containing refrigerant at low pressure and low temperature
- ◆ Requires less area for installation.
- ◆ Durability : long lifespan with low maintenance.
- ◆ 24 Hours hot water availability.
- ◆ Operates in all weather conditions.
- ◆ High pressure / low pressure protection
- ◆ Antifreeze protection
- ◆ Equipped with fully automatic and intelligent Micro processor controller



BUNT SOLAR STREET LIGHT

STAND ALONE SYSTEM



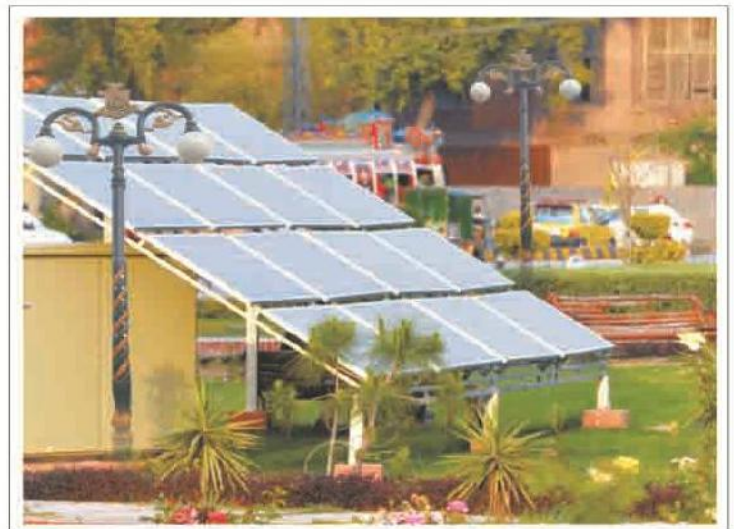
Special Features

- Bright light at Night
- Ideal for security, yard and street lighting
- Uses a dusk-to-dawn charge controller with automatic on/off control
- Rust-free powder coating for poles and arms
- Allen key-lock for better safety and security
- Available in 9/12/18/24/30/50/100/120W DC
- Available in single and double arm model street light options

Special Features

- This can be used in industries, societies, party plots, schools, parking lots etc.
- It constitutes of Off Grid Power Pack with option of charging from Main grid power in cloudy or poor sunlight days.
- Suitable Solar PV Module Array is installed on Roof Top or one location and suitable inverters, Charge Controllers and Batteries are installed in a control room.
- We recommend to use AC LED based street light to reduce cost and increase life span also.
- Optional timer feature is also available as per customer requirement.

CENTRALIZED SYSTEM



BUNT SOLAR GARDEN LIGHTS



Special Features

- Aesthetically-designed, standalone garden lights
- Available in 2w & 5W DC lamp options
- Dusk-to-dawn operation with manual override option
- Optional rust-free, MS powder coating for poles
- Inducer and transparent models available
- Ideal for garden, perimeter and security lighting using renewable energy

STAND ALONE SYSTEM



CENTRALIZED SYSTEM



Special Features

- Centralized charging by Solar PV Modules
- Dusk to dawn feature
- Attractive and Weather proof luminaries
- Highly efficient charge controller and inverter
- Adequate protections and indications
- Available with SMF battery
- Highly efficient bright LED's

BUNT SOLAR WATER PUMPING SOLUTION



Special Features

- Solar powered water pumping system can be used for agricultural, homes, factories, offices and other commercial application.
- Solar Water pumping system are more cost-effective, alternative solution to pump water that runs on grid power or fuel such as diesel, kerosene or bio-fuels.
- Easy installation and maintenance.
- These solar water pumping system runs directly without grid & batteries which makes it better alternative to run regular AC water pumps.



Solar Water Pumping System @ Athani

SOLAR PETROL BUNK SOLUTION



Special Features

- Off-grid system with highly efficient solar inverter is a very cost-effective solution for powering petrol bunks.
- A petrol pump requires more than 5KW of electricity every day for its day to day fuel dispensing operations. This amounts to a total capacity of over 1,440 KW of power required for a year for one petrol pump.
- Most of the petrol pumps in India utilizes power from Diesel Generator sets. The operation cost for running the pumps on diesel generator sets is very high. To give one an approximate figure, there is a loss of Rs 1000-1500 per day as operation cost for running the pump on diesel generator sets.

PHOTOVOLTAIC PROJECT INSTALLATION : NET METERING / GROSS METERING



Special Features

- 25 years Power Generation Warrantee for Crystalline Modules
- Optional Mono / Poly Module as per Customer demand.
- MS Powder coated / Aluminium / Stainless Steel Structure
- Highly efficient Grid Tie Inverter
- Suitable for Captive Consumption & Grid Synchronization
- Available 1Kw onwards



SOLAR MEGA WATT POWER PLANT INSTALLATION



- Highly efficient Photovoltaic modules
- Galvanized /aluminum structure
- Control room with SCADA data monitoring system, centralized/ string inverter
- Fencing boundaries
- Water facility for maintenance
- Safety & security system

PHOTOVOLTAIC PROJECT INSTALLATIONS



BUNT LITE OFF GRID SOLAR SYSTEM

Special Features

- Off grid system consists of inverter with inbuilt PWM/MPPT charge controller, Battery Bank & Solar modules
- Off Grid system runs without Grid
- Is a cheaper alternative than extending power lines in certain remote areas
- Helps remote communities become self-sufficient in energy utilization



Rotary Installation, Bangalore -
Solar PV Offgrid 9000Wh System

ON-GRID SYSTEM WITH BATTERY BANK

Special Features

- On-Grid system consists of Hybrid inverter, Solar PV modules, Battery, Charge controller and a Bi-directional meter
- This is a combination of Off Grid & On Grid System
- Cost effective

BUNT HOT - ETC RETAIL

Special Features

- Significantly reduces your monthly electricity bill
- Inner Tank with Prime Grade Stainless Steel
- Superior quality 50mm high density PUF insulation to retain Hot Water
- 58mm / 1800mm High efficient Evacuated Tubes
- 2 Free service in first year
- Unique stainless Steel SS 430 outer tank for aesthetic look & finish
- Optional electric back-up for cloudy days

SOLAR WATER HEATER ETC B-HOT SSG Royal



SOLAR WATER HEATER ETC B-HOT NSC



- Durable Mild steel with Non Stick Coating inner tank for hard water
- Outer tank with Powder Coated
- Superior quality 50mm high density PUF insulation to retain Hot Water
- 58mm/1800mm high efficient evacuated tubes
- 7 Tank processed MS Powder Coated structure
- Optional electric back-up coil for cloudy days

Special Features

Special Features

- Durable Mild steel with Non Stick Coated inner tanks for hard water
- Outer tank with unique SS 430 for excellent look & finish
- Superior quality 50mm high density PUF insulation to retain Hot Water
- 58mm/1800mm high efficient evacuated tubes
- 7 Tank processed MS Powder Coated structure
- Optional electric back-up coil for cloudy days

SOLAR WATER HEATER ETC B-HOT NSC Royal



FPC -B-HOT C /CPR*/CPRH



- A unique outer tank made of PC for aesthetic look and finish
- Superior insulation made from high density, HCFC Free PUF (Eco Friendly) to keep water hot for longer duration
- High efficient, durable copper collector
- Optional electrical back-up coil for cloudy days
- CPR-pressurized systems for better shower and less water wastage
- CPRH-pressurized and Heat exchanger model for hard water and more pressure

Special Features

BUNT SOLAR HOME UPS



OFFLINE INVERTER SYSTEM



Inverter



Tubular Battery



Trolley

Special Features

- Ultimate power backup systems for power cut.
- Easy operation & user friendly LED, LCD display (optional).
- Battery reverse polarity protection for long life.
- Advanced battery management (ABM) doubles the battery life.
- Reliable & Long Lasting HI-POWER Batteries.
- Attractive & Rugged battery box.

ONLINE INVERTER



COMMERCIAL ONLINE INVERTER



Special Features

- Highly Reliable Technology
- Optimization for high performance.
- Noise free operation
- Very compact & attractive design.

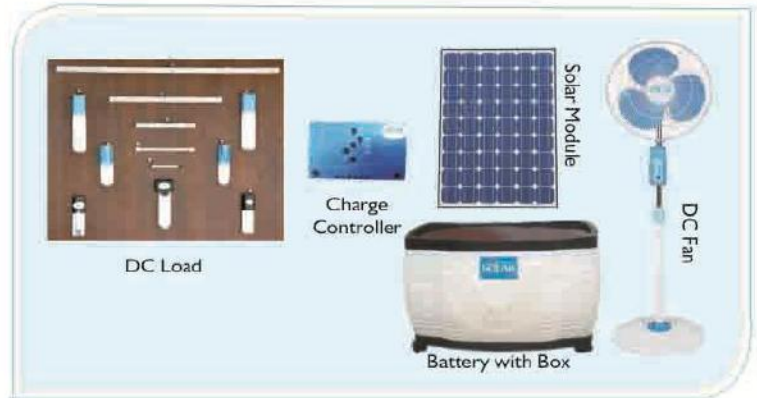
Special Features

- Designed for high precision equipments
- Above 10kVA to any range, customized solution available
- Available 5kVA, 7.5kVA & 10 kVA standard ranges
- Highly efficient & more durable
- Battery bank option
- Suitable for all industries

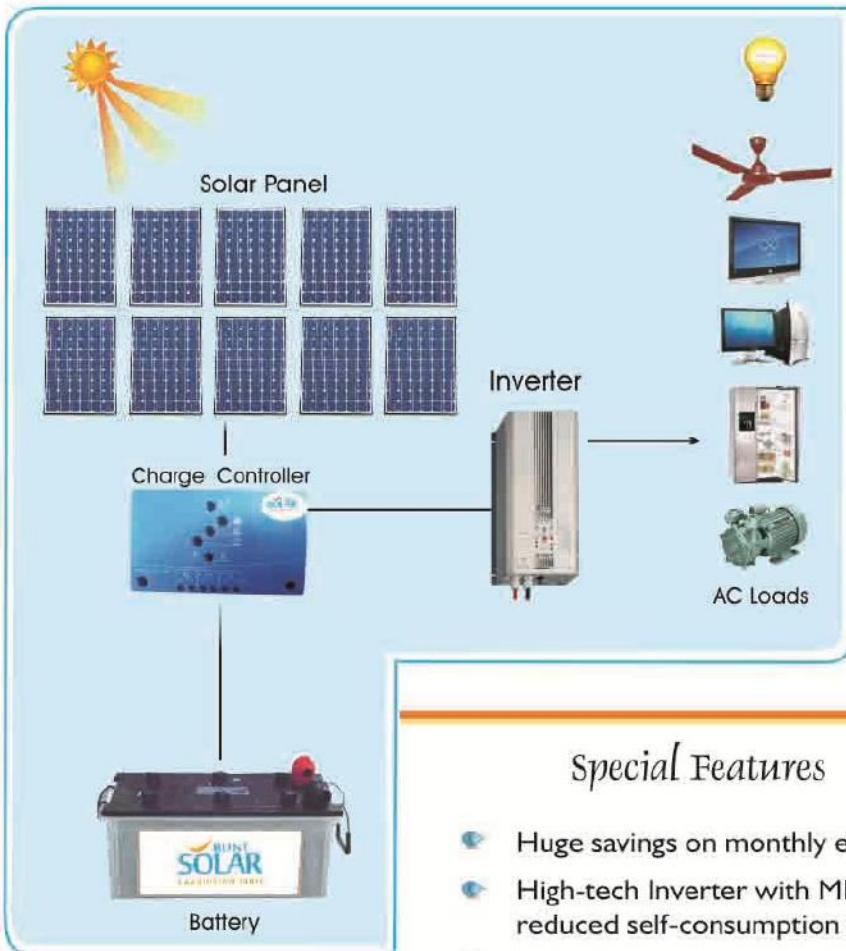
Special Features

- Bright, white light spread over a vast area
- Very convenient to use, can be turned on/off with a flick of the switch
- Capable of operating any DC appliance
- Compact and attractive console for the battery
- Available in both LED & CFL options for efficient lighting

BUNT SOLAR DC SYSTEM



B-LITE SOLAR AC SYSTEM



Special Features

- Huge savings on monthly electricity bill
- High-tech Inverter with MPPT CC feature for reduced self-consumption of power
- Multiple Autonomy options available



PINGU - Emergency Lamp

Specification :

Type	Emergency Lamp	CRI	>75%
Input (Adapter)	100-270V AC	Operating Temp.	0-55°C
Output	3W	Battery	3.7V, 2600mAh
Adapter	5V DC, 1A	Weight	350Grms
Backup Time	3hr for 100% Illumination	Dimension	125x153x274mm
Color Temperature	Cool	6500K	

PILLAR - Emergency Lamp

Specification :

Type	Emergency Lamp	CRI	>75%
Input (Adapter)	100-270V AC	Operating Temp.	0-55°C
Output	3W	Battery	3.7V, 2600mAh
Adapter	5V DC, 1A	Weight	400Grms
Backup Time	2hr for 100% Illumination	Dimension	115x115x172mm
Color Temperature	Cool	6500K	



STUDY LAMP

Specification :

Type	Study Lamp	Battery Capacity	2600mAh
Input (Adapter)	230V	Operating Temp.	0-55°C
Output	0.5W	Product Weight	150Grms
Backup Time	18hrs	Dimensions	80x80x300mm

SOLAR LANTERN - Emergency Lamp

Specification :

Bunt Solar LED Lantern with Solar & AC charging option
 4 to 8 hours back-up with 3 dimmer option
 Uniform 360° degree high bright light
 Double brighter compared to any other lantern.



EXECUTIVE LED

Specification :

Type	Round	Square
Input Power	230V AC	
Output	6W 12W	7W
Power Factor	>0.9	
Lumens	600 1100	650-700
CRI	>75%	
Dimension	38.5x141mm/ 51x190mm	68Sx10mm

Color Temperature	Warm	Cool
	3000K	6500K

CRI - Color Rendering Index



- Extra bright
- Zero UV Emission
- Long Lasting
15 years LED Life**



High Energy Saving

REGULAR LED

Specification :

Type	Round
Input Power	230V AC
Output	4W 8W 10W
Power Factor	>0.9
Lumens	350-400 700 900
CRI	>75%
Dimension	45x77mm 60x97mm 65x115mm

Color Temperature	Warm	Cool
	3000K	6500K

CRI - Color Rendering Index





INDOOR LIGHTS

DOWN LIGHTS



OFFICE LIGHTS



Specification :

Type	4" Square 4" Round 6" Square 6" Round			
Input Power	230V AC			
Output	8W	12W		
Power Factor	>0.9			
Lumens	600	800		
CRI	>75%			
Dimension	106sqx20mm	106x20mm	146sqx20mm	146x20mm
Color Temperature	Warm 3000K	Cool 6500K		

CRI - Color Rendering Index

TUBE LIGHTS



DISPLAY LIGHTS



Specification :

Type	4ft / 2ft / 1ft
Input Power	230V AC
Output	22W, 12W, 6W
Power Factor	>0.9
Lumens	1750, 950, 500
CRI	>75%
Dimension	26x35x1290mm, 26x35x690mm 26x35x500mm

Color Temperature	Warm 3000K	Cool 6500K
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CRI - Colour Rendering Index

Specification :

Type	LED	
Input Power	90-265V AC	
Output	3w	
Power Packup	5 to 6 Hrs	
Battery Capacity	4600 mAh	
Dimension	26x220x317mm	
Color Temperature	Warm 3000K	Cool 6500K

LINEAR LIGHTS



INDUSTRIAL BAY LIGHTS



HOME LIGHT KIT



FLAME PROOF LIGHTS



TRACK LIGHTS





INDOOR LIGHTS

DESIGNER LIGHTS



Specification :

Type	1ftx1ft , 2ftx 2ft	
Input Power	230V AC	
Output	20W, 40W	
Power Factor	>0.9	
Lumens	1200, 2200	
CRI	>75%	
Dimension	296x296x20mm, 596x596x20mm	
Color Temperature	Warm 3000K	Cool 6500K

CRI - Color Rendering Index

TOFFER LIGHT



Specification :

Type	Square	
Input Power	230V AC	
Output	2 x 20W	
Power Factor	>0.9	
Lumens	3600	
CRI	>75%	
Dimension	596x596x60mm	
Color Temperature	Warm 3000K	Cool 6500K

CRI - Color Rendering Index

OUTDOOR LIGHTS

STREET LIGHT



Specification :

Type	LED
Input Power	230V AC
Output	20W, 40W, 70W, 12W
Power Factor	>0.9
Lumens	2000, 4000, 7000, 12000
CRI	>75%

Color Temperature	Warm 3000K	Cool 6500K
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CRI - Color Rendering Index

FOCUS LIGHT



TRAFFIC BLINKER



GARDEN LIGHTS



Specification :

Type	LED
Input Power	230V AC
Output	6W
Power Factor	>0.9
Lumens	600
CRI	>75%
Dimension	198x517mm, 198x817mm

Color Temperature	Warm 3000K	Cool 6500K
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SOLAR ROAD STUD LIGHTS



OUR ESTEEMED CLIENTELE INCLUDES



BRANCH NETWORK



TOP BRANCHES

AWARDS



International Achievers Award - 2015
by
Hon. H. E. Khun Korn Dabbaransi,
Former Deputy Prime Minister of Thailand



Fastest Growing Indian Company Excellence Award
2013-14, IERDA, New Delhi



Opening Ceremony of Raygad Branch by Sri Anant G Geete
Hon. Cabinet Minister for Heavy Industries & Public Sec. Enterprises



Opening Ceremony of Kerala Branch by
Sri Nalin Kumar Kateel, Member of Parliament, India



Музейи



Head Office

Unit - I



Unit - II



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