



sunsoko[™]
Think Solar. Live Solar



SOLAR STREET LIGHTING SYSTEM

PRODUCT CATALOGUE

Content

All-In-One Solar Street Lighting	02
Standalone Street Lighting	04
- LED Luminaires	
- Decorative Poles	
Solar Semi Highmast	08
Centralised Solar Street Lighting System	10





Bajaj Electricals is the brand that is recognized across India and the world, for its trust and excellence. Moreover as of now they are undisputed leaders in outdoor lighting with a network of branches spread across India and Govt. recognized R&D Laboratory.

Sunsoko is the solar wing of Bajaj Electricals, provides exhaustive range of products for all the solar related applications. This is augmented by, team of qualified and experienced engineers and audit specialists. So when it comes to solar lighting Bajaj - **Sunsoko** is the prime choice for the being ultimate solar system solution providers, with capabilities that includes Installation, Testing and Commissioning. When you are thinking of Solar Lighting choose **Sunsoko** only.

Sunsoko takes a big leap in the renewable energy sector by offering a host of products which adds value to our daily lives, as well as our planet. These include Solar Street Light, Solar Street Light with Decorative Poles, Solar Semi Highmast, Centralised Solar Street Light, Solar Roof Top system, Solar Portable Compact Kit, Solar Pump, Solar Panel and Solar Power Conditioning unit.

New

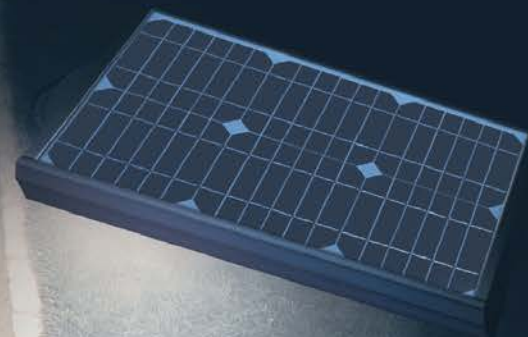
ALL-IN-ONE

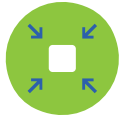
Solar Street Lighting

Perfect solutions in street lighting

Introducing **Sunsoko** All-in-One, from the house of **Sunsoko**, a revolutionary new solar street light with all-in-one features designed to transform the segment forever. **Sunsoko** All-in-One offers high brightness and compact, aesthetic design with a longer life (lithium Ion battery). With smart PIR sensors that modify lighting according to human presence, this is truly the light of the future. Moreover with the solar panel, LED light and battery as one single fixture, this solar street light is an all encompassing light like none other. The path to the future is bright, with **Sunsoko** All-in-One.

These lights can be used mainly for urban roads, residential layouts, parks, public gardens, highways, industrial and commercial campuses, etc.





COMPACT DESIGN



OFF GRID APPLICATIONS



ECONOMICAL & ECO FRIENDLY



EASY INSTALLATION



THEFT & DAMAGE RESISTANCE



MAXIMUM SAFETY



BUILT IN PIR SENSOR

Product Description



PIR Sensor

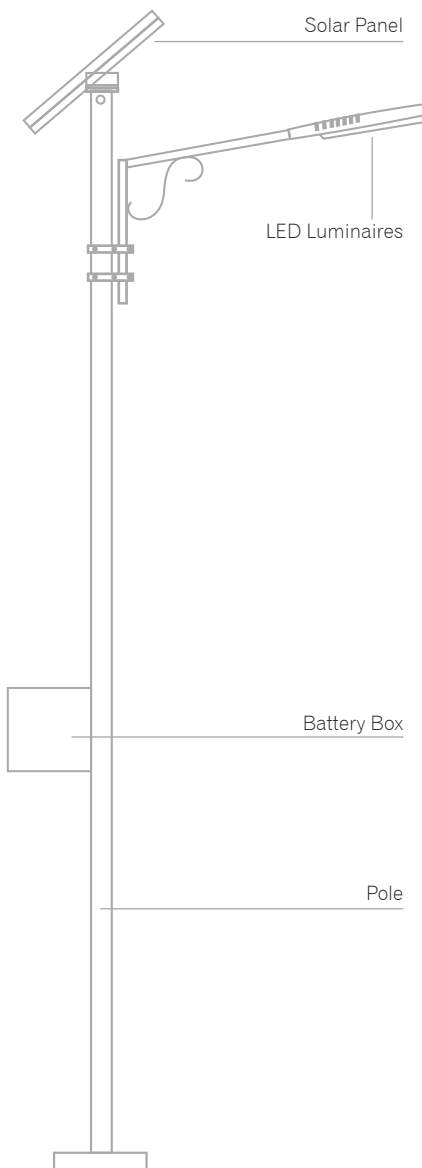


STANDALONE STREET LIGHTING

Applications:

- Street lighting
- Switchyard lighting
- Garden lighting
- Boundary lighting
- Secondary roads in cities
- Any outdoor lighting





SOLAR ENERGY

Advantages

- No trenching, cabling or wiring.
- Storable and retrievable form of energy.
- No pollution, environment friendly and less operational cost.
- Does not require skilled manpower to operate.
- Illuminates remote place where grid supply is not available.
- Longer life with minimum maintenance.
- More safe and easy to install.
- Support for Green initiative and LEED Certifications.

Why SUNSOKO SOLAR LIGHTING SYSTEM

- Solar Wing of Bajaj Electricals Ltd.
- Leaders in Outdoor Lighting.
- Govt approved R&D laboratory.
- Qualified and Experienced team of Lighting engineers.
- Energy Audit Specialist and Total System Providers.
- Exhaustive range of luminaires for all solar applications.
- Network of branches spread across length and breadth of India.

CHARGE CONTROLLER

Features

- Regulates the charge of the battery.
- Prevents the reverse discharge of the battery.
- Cuts off the battery connection when it reaches below DOD.
- LED display to indicate the charging status of battery.
- Protection against short circuit, reverse polarity, lightening.
- Automatic ON-OFF system.
- Dimming (optional).

LED LUMINAIRES AND DECORATIVE POLES FOR SOLAR STREET LIGHTING SYSTEM



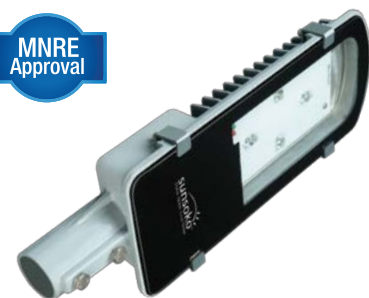
FALCON (9W/12W/15W/21W/24W/30W)

- Epoxy powder coated pressure die-cast aluminum housing with weatherproof gasket and toughened clear glass cover fixed with SS screw.
- Inbuilt charge controller is provided with auto switch built in for dusk to dawn operation.
- Ingress protection : IP65.
- Suitable for side entry mounting bracket of 40-55 mm OD.
- Luminaire can be dimmed (optional).



FALCON PLUS (45W/60W)

- Epoxy powder coated pressure die-cast aluminium housing with weatherproof gasket for LEDs and control gear compartments.
- Pressure die-cast aluminium frame with heat resistant toughened clear glass fixed with SS screws.
- Constant current LED driver ensures >85% efficiency level and designed to withstand standard high voltage surge protection and provided with open and short circuit protections.
- Side entry mounting for 50 to 60 mm OD pipe bracket.
- Ingress protection : IP65.
- Side entry mounting for 50 to 60 mm OD pipe bracket.



CORONA (7W/8W/12W/18W)

- Epoxy powder coated pressure die-cast aluminum housing with weatherproof gasket and toughened glass cover.
- Inbuilt charge controller is provided with auto switch built in for dusk to dawn operation.
- Ingress protection : IP65.
- Suitable for side entry mounting bracket of 40-50 mm OD.



CUB (12W/15W/20W/25W)

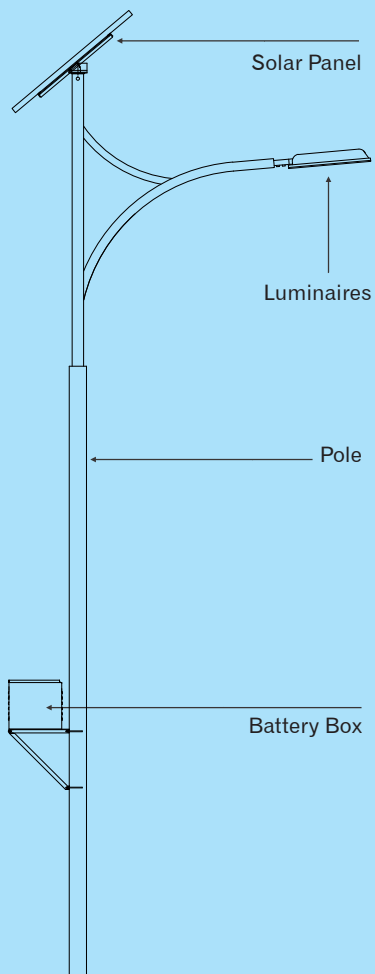
- Epoxy powder coated pressure die-cast aluminum housing with weatherproof gasket and prismatic polycarbonate cover.
- Inbuilt charge controller is provided with auto switch built in for dusk to dawn operation.
- Ingress protection : IP65.
- Suitable for side entry mounting bracket of 40-50 mm OD.



POLE

Pole can be supplied with standard and customized requirements depending upon applications with following options:

- Long life and anti-corrosive GRP pole which can be embedded or flange type.
- Hot dip galvanized octagonal BAJAJ smart pole .
- GI class B steel pipe with powder coated as option.
- MS painted pole.



SOLAR SEMI HIGHMAST

Applications:

- Parking lot
- Junction lighting
- Security gate lighting
- Peripheral lighting
- Roadway lighting
- Garden and lawns
- Construction site
- Any special outdoor lighting applications



LED LUMINAIRES

- 4 Nos. of highly efficient LED street light / flood light mounted at top of pole with 90° separation.
- Specially designed optics with highest quality lens which will give good uniformity and wider area coverage.
- Proper heat sink is designed to take care of thermal management that maintains the desired life and lumen output of LED.
- LED chips are with high lumen packages having longer life.
- Luminaires are designed for higher IP protection.

SOLAR PV MODULE

- High efficiency poly crystalline solar modules are tested for longer durability and manufactured with innovative technologies.
- Modules are available in wide Watt power range suitable for different applications.
- Modules are designed for withstanding highly corrosive atmosphere and heavy wind loads. Tested as per IEC 61701.
- Junction boxes are supplied with IP65 protections.
- Solar panels are certified for industry standard IEC 61215, IEC 61730 (Safety class 1&11), IEC 61701 and CE.

BATTERY

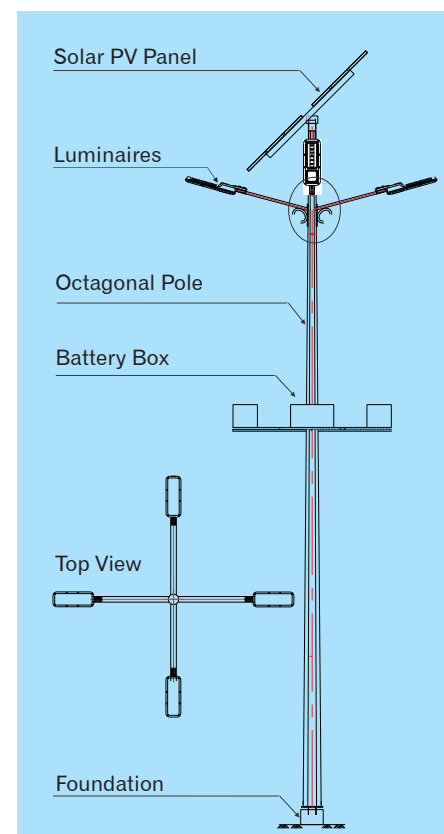
- Battery rigorously designed for solar lighting applications.
- Reduced topping up frequency.
- Suitable for frequent cyclic duty.
- Available in Tubular Flooded and SMF version.

POLE

Pole can be supplied with standard and customized requirements depending upon applications.

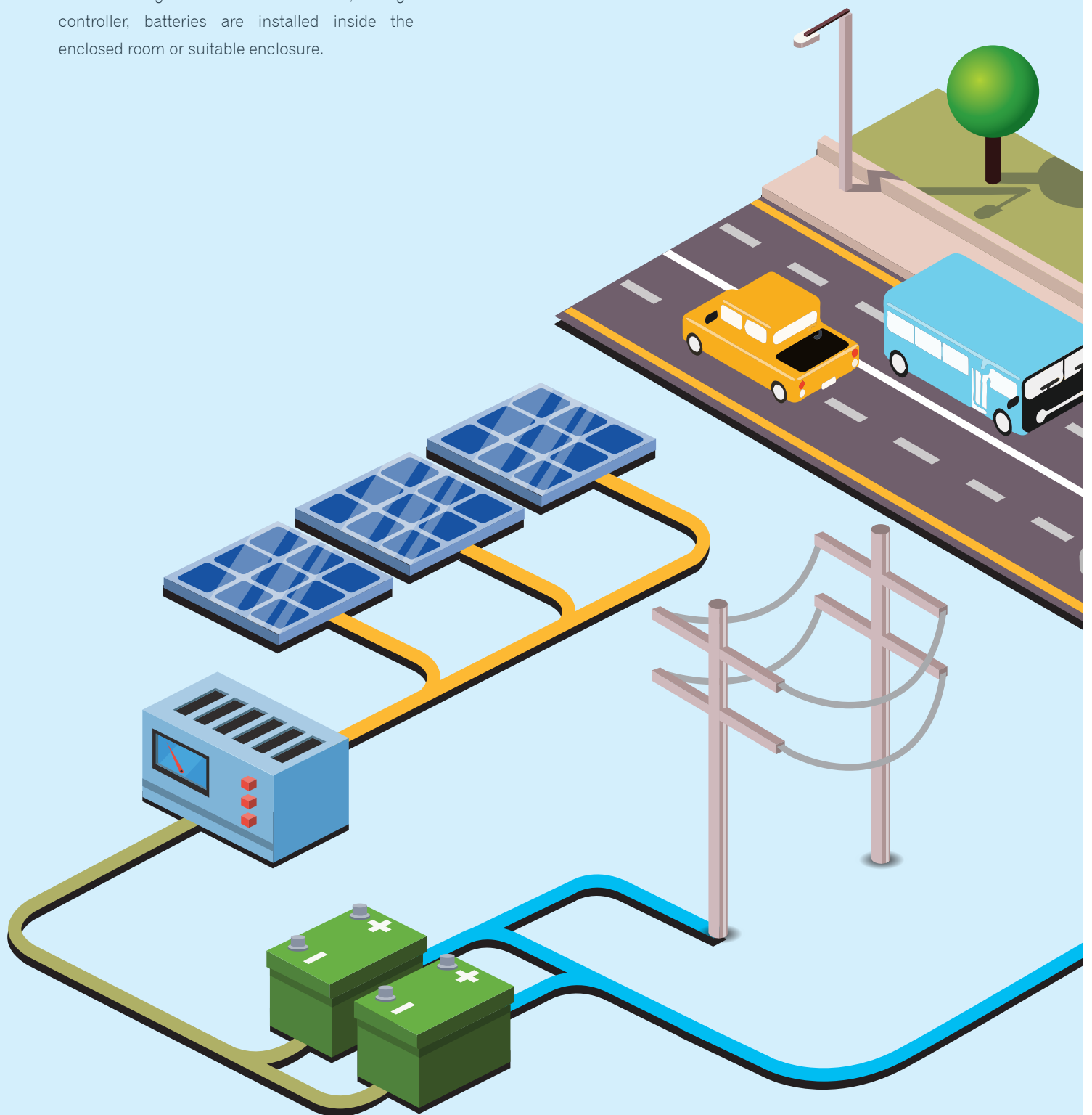
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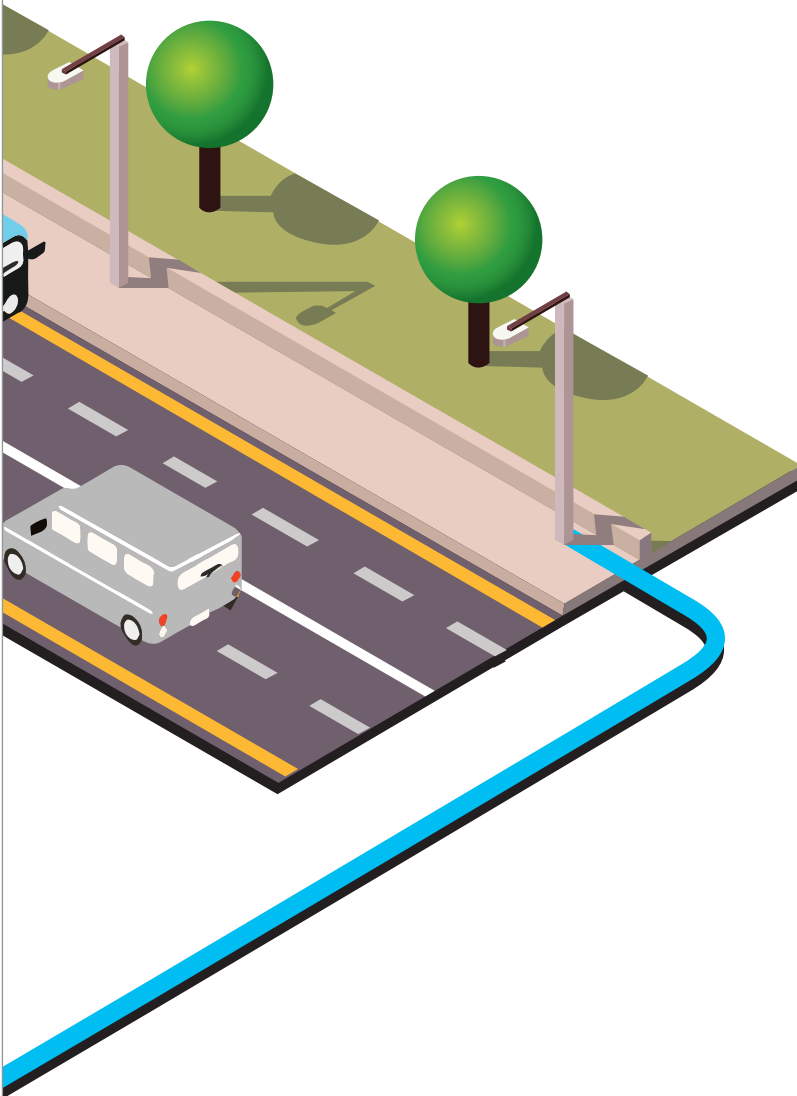
- Hot dip galvanized octagonal BAJAJ smart pole.
- Long life and anti-corrosive GRP pole which can be embedded or flange type.



CENTRALISED SOLAR STREET LIGHTING SYSTEM

State-of-the-art solution for existing and new street lighting installations. Solar PV modules are installed on the roof top or shadow free at single location on ground level and inverter, charge controller, batteries are installed inside the enclosed room or suitable enclosure.





Solar module will convert the solar energy on to electrical energy during the day time which is stored in to the battery. During the night time stored energy is converted to 230 AC using highly efficient inverter and is supplied to the load as in case of conventional grid supply system.

Our design expert will work out the optimum system design solution considering the number of street lights and illumination level requirements.

System can be powered from the normal grid supply in case of cloudy days or incase of insufficient day light to charge the battery.

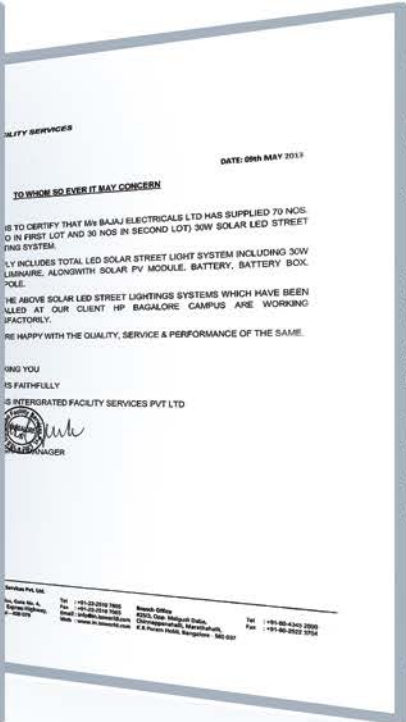
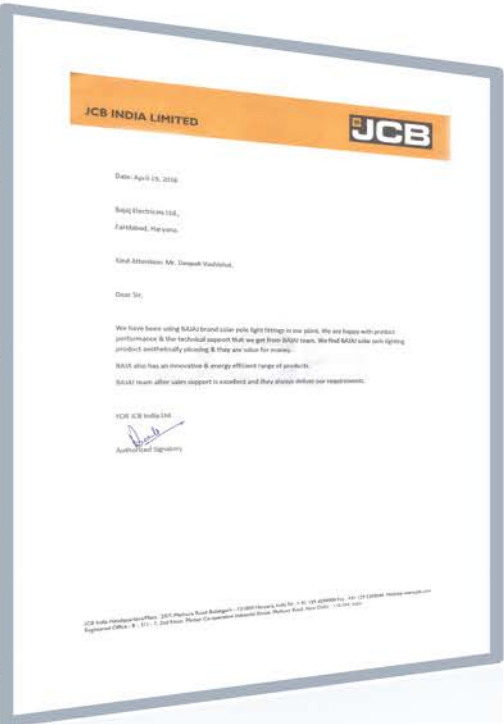
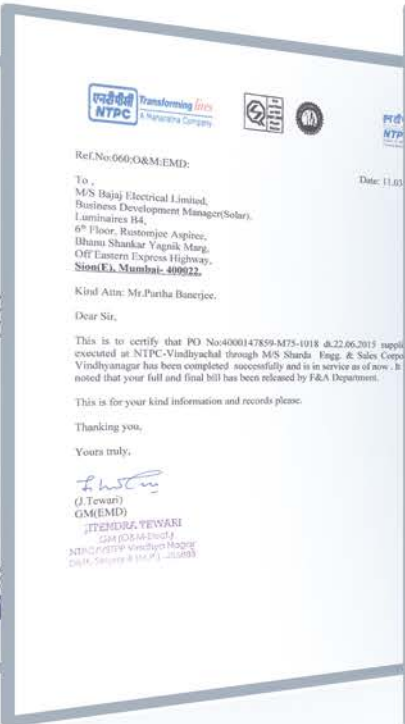
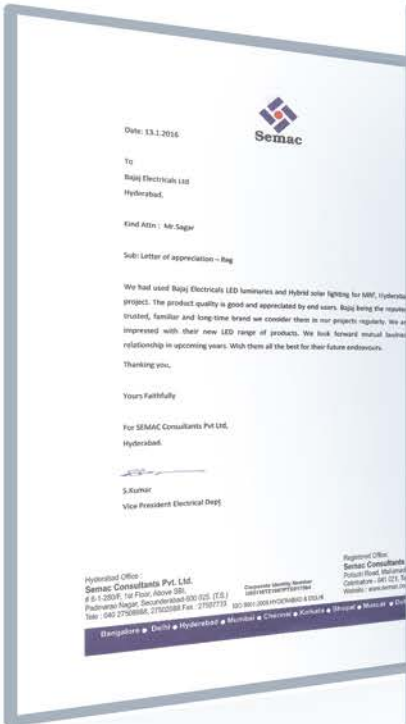
APPLICATIONS

Parking lots, Schools, Colony lighting, Boundary lighting, Societies, Industries, Street light etc.

FEATURES

- Existing street pole and wiring can be used.
- No limitations on system design.
- Shadow free installation.
- Batteries can placed inside room which is insulated from heat. Maintenance at one point.
- It can be monitored better against theft.
- Marginal increase in price from standalone system.

VOICE OF CUSTOMERS



OUR ESTEEMED CUSTOMERS

SEMAC, Hyderabad

NTPC, Vidyanagar

Elegant Power Care, Chennai

JCB, Haryana

Child Fund, Bengaluru

ICRA, Mumbai

SRI Skanda Consultancy, Bengaluru

L&T, Raipur

CEAT Tyres, Nagpur

RIL, Jamnagar

Mother Dairy - Amul, Ahmedabad

Reliance Retail, Multiple Cities

Godrej, Dahej

Ahmedabad Airport, Ahmedabad

BITS Pilani, Rajasthan

KSTP, Kerala

MRF, Chennai

UPNEDA, Lucknow

Jamnalal Bajaj Vishwaneedam, Bengaluru

HP Campus, Bengaluru

Bajaj Factory, Ranjangaon

Nagpur Toll Plaza, Nagpur

Marathwada Medical Research Inst., Aurangabad

Josh Engineering, Nagpur



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Chandigarh	Tel.: 0172-5234600
Delhi (gulmohar)	Tel.: 011-26549100
Jaipur	Tel.: 0141-2377364, 2369541, 2369542
Lucknow	Tel.: 0522-4938900-30
Noida	Tel.: 0120-4040400

EAST REGION

Bhubaneswar	Tel.: 0674-2390697, 2396980, 2394052
Guwahati	Tel.: 0361-2346497, 2346498, 2346499
Kolkata	Tel.: 033-22622685
Patna	Tel.: 0612-2220155, 22231427

CENTRAL REGION

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Raipur	Tel.: 0771-2263976, 2263986, 4060166
Nagpur	Tel.: 0712-2440318, 2440319

WEST REGION

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Mumbai	Tel.: 022-22193000
Pune	Tel.: 020-26302000

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Chennai	Tel.: 044-30662200
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