



LEADING THE WAY WITH SOLAR LIGHTING SOLUTIONS



SUNSOKO CATALOGUE



“ WE ILLUMINATE NATIONS ”

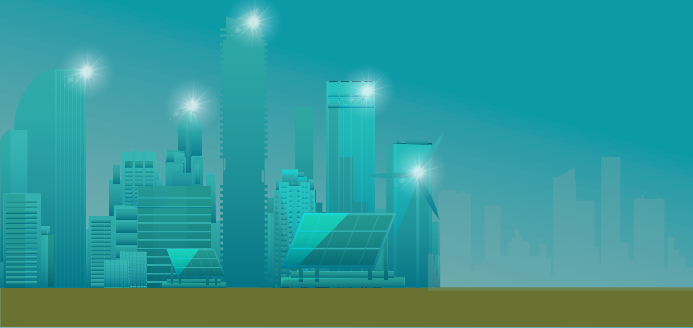
The last few decades have witnessed a rapid acceleration of globalisation, mainly due to a growth in international trade and an increase in the use of smart technology. This has led to growing urbanisation and digitalisation, particularly in developing countries.

To fulfil the demands arising out of accelerated globalisation and its effects, Bajaj Electricals Limited has expanded its horizon, through a host of smart indoor and connected outdoor solutions. These solutions are catalysts driving change within urban communities. Furthermore, Bajaj Electricals aims to provide technologically advanced IoT-enabled smart solutions to consumers, to help create sustainable living spaces for them.

We offer a range of lighting solutions such as Smart Poles, Sports Lighting, Architectural Lighting and Solar Lighting. Besides this, we also provide lighting solutions for commercial premises, industrial spaces (i.e. Healthcare, Automotive, Steel and Power Industry), IBMS solutions and holistic solutions to create energy-efficient buildings and smart cities.

We strive to provide a one-stop shop solution to our customers, with the help of a complete on-ground support system as well as digital platforms like cloud-based connectivity and wireless solutions. This will enhance productivity and make it easier to create sustainable and smart infrastructure.

The diverse range of solutions we are aiming to provide, demonstrates our ambition to reach out to, enrich and illuminate millions of lives, cities and nations across the world.





CUSTOMER PERCEPTION



**WHAT IS
VISIBLE?**



Lowest Pricing



Faster Delivery



Warranty

WHAT IS NOT VISIBLE?



“Q1”

In today's world, when it comes to purchasing lighting solutions for upgrade or greenfield projects, consumers consider price as the most important factor. Along with this, quick delivery and a long warranty period satisfy the consumer. However, essential aspects such as quality, longevity, reliability, cost of spares, maintenance cost and the reputation of the brand are often ignored, leading to discomfort in the future.

At Bajaj Electricals, we understand the need of the hour and provide innovative and smart lighting solutions to cater to customer requirements in order to change their perspective towards long lasting quality, reliability and cost of ownership.

Quality One (Q1) has always been our motto and 'Inspiring Trust' is our ideology. Keeping this in mind, we deliver only the best quality products and solutions.

Install



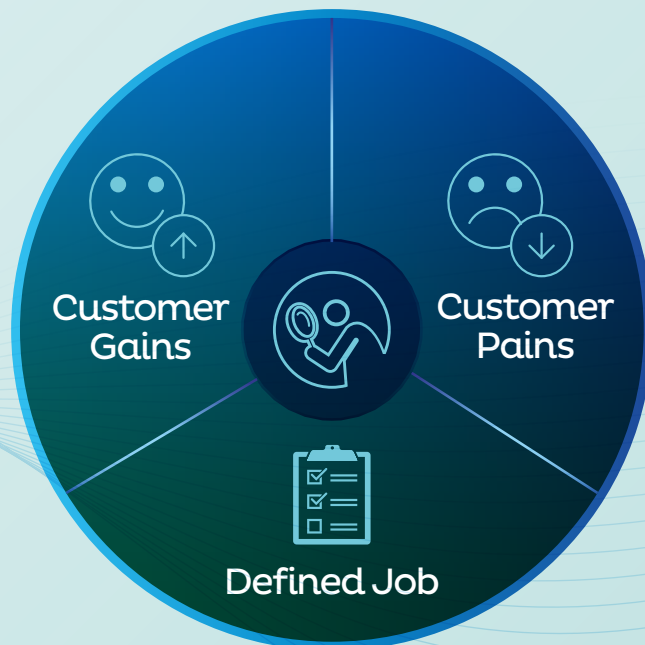
Maintain

Life Cycle Service

“ OUR PERSPECTIVE ON
CATEGORISING EVERY NEED
OF OUR CUSTOMER ”



Create



Observe



**ADOPTING THE Q1 MOTTO
HELPS CONVERT CONSUMER PAINS
TO CONSUMER GAINS**



DEFINED JOB



Lowest
Pricing



Faster
Delivery



Warranty

CUSTOMER PAINS



Downtime
Loss



Maintenance
Cost



Manpower
Cost



Spare
Cost



Reputation
Loss

CUSTOMER GAINS



Quality



Long Term



Reliability



Service Force



Longevity



BAJAJ ILLUMINATION – CONCEPT TO CARE



**R&D
MANUFACTURING
FACILITIES**

**COMPLETE
PRODUCT BASKET**



**SMART & CONNECTED
SOLUTIONS**

**SUPPLY - INSTALLATION
- TESTING &
COMMISSIONING (SITC)**



**LIGHTING DESIGN
& ENGINEERING
SERVICE**



**COMPLETE LIFE CYCLE
MANAGEMENT -
SERVICE &
MAINTENANCE**



“

OUR STATE-OF-THE-ART MANUFACTURING FACILITIES

”

Our certifications and futuristic manufacturing facilities are a testament to our commitment to developing products of the highest standard. Each product is carefully crafted to set benchmarks in the industry and deliver a high level of performance.



“ LEED CERTIFIED R&D CENTRE ”



A B SQUARE
BAJAJ ELECTRICALS LIMITED

Navi Mumbai, India

HAS FULFILLED THE REQUIREMENTS OF THE LEED GREEN BUILDING RATING SYSTEM CERTIFICATION ESTABLISHED
BY THE U.S. GREEN BUILDING COUNCIL AND VERIFIED BY GREEN BUSINESS CERTIFICATION INC.

LEED 2009
NEW CONSTRUCTION AND MAJOR RENOVATIONS

PLATINUM

January 2018

Mahesh Ramanyam

MAHESH RAMANUJAM, PRESIDENT & CEO, U.S. GREEN BUILDING COUNCIL,
PRESIDENT & CEO, GREEN BUSINESS CERTIFICATION INC.



NABL CERTIFIED LABORATORY



**National Accreditation Board for
Testing and Calibration Laboratories**
(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

AB SQUARE, BAJAJ ELECTRICALS LTD.

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Plot No. 27/PT-2, TTC Industrial Area, Millennium Business Park,
Mahape, Navi Mumbai, Maharashtra

in the field of

TESTING

Certificate Number TC-7704

Issue Date 16/08/2018

Valid Until 15/08/2020

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL.



88076970100030001823

Anil Relia
Chief Executive Officer



NABL CERTIFIED LABORATORY



National Accreditation Board for Testing and Calibration Laboratories
(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory AB Square, Bajaj Electricals Ltd., Plot No. 27/PT-2, TTC Industrial Area, Millennium Business Park, Mahape, Navi Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7704 **Page 1 of 1**

Validity 16.08.2018 to 15.08.2020 **Last Amended on** --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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PHOTOMETRY TESTING

L.	Luminaries			
1.	Light Source and Luminaire	Luminous Flux	IS 16106 (clause no. 11, 12, 14) IESNA LM79 -08 (Clause no. 9,10, 12)	5 lm to 2 x10 ² lm
		Intensity Distribution		1 cd to 5 x 10 ⁴ cd
		CCT (K) and CRI		2000 K to 10000 K (Upto100)
		Chromaticity Co-ordinates (x, y or u, v)		0.0001 to 1
		Spectral Power Distribution		360 nm to 800 nm

Mandeep Kumar
Mandeep Kumar
Convener

Anuja Anand
Anuja Anand
Program Manager

“ BAJAJ ILLUMINATION - CONCEPT TO CARE ”

Our highly trained service engineers ensure you have a hassle-free experience. Our spare parts are also available at over 20 Bajaj Electricals warehouses across India, while the 24x7 service registration facility through the mobile app and dealer extranet gives more power in your hands.



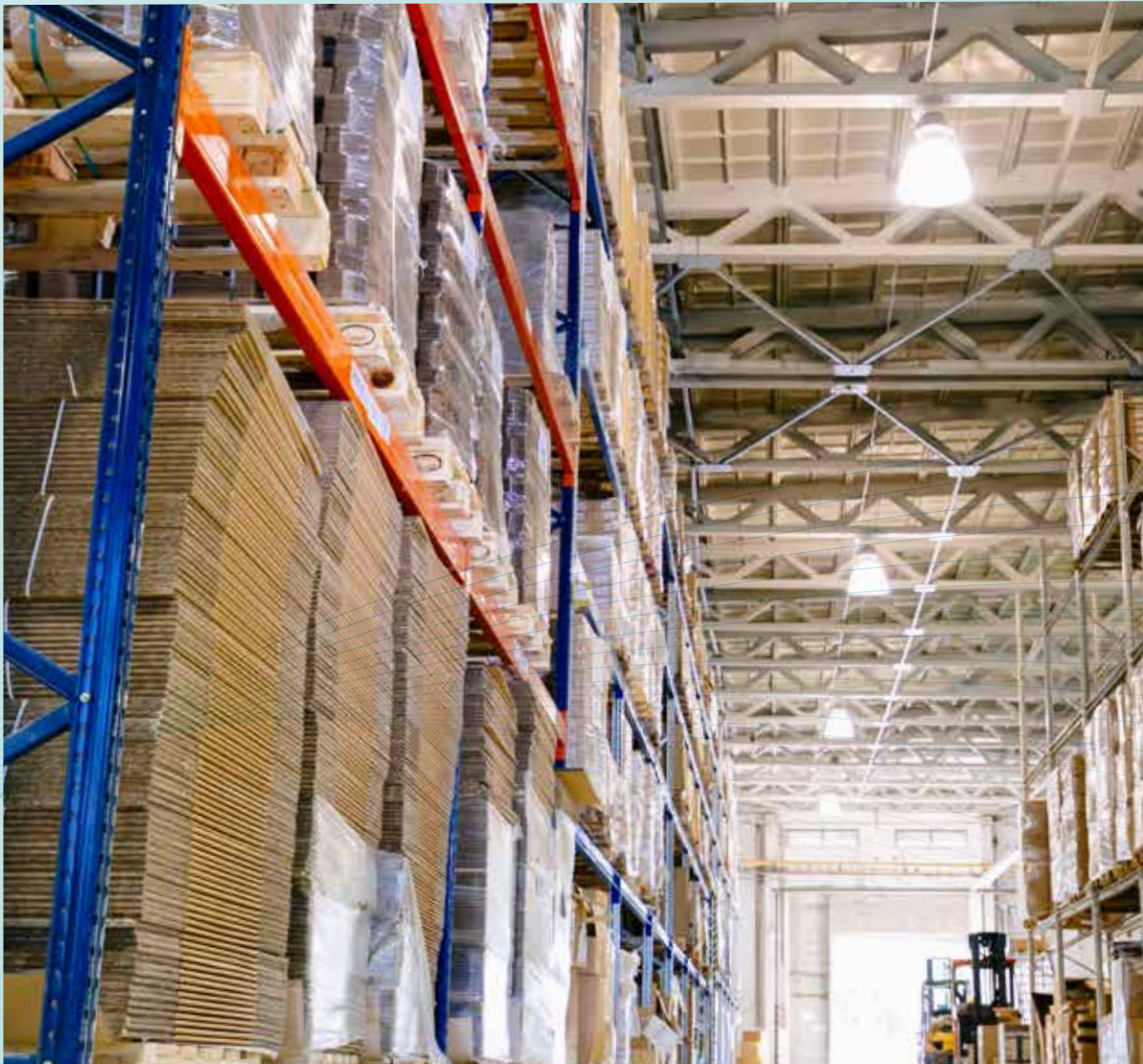
022 - 4128 1111

**10:00 AM to 7:00 PM
(MON - SAT)**



“ STACKED FOR GREATER EFFICIENCY ”

Our systematic storage facility at our warehouse enables us to use space optimally and ensure that the stock is easily accessible when needed. It creates an efficient working environment and eliminates any bottlenecks in the flow of the stock.



“ WHY SUNSOKO FOR SOLAR LIGHTING SOLUTIONS? ”

Bajaj Electricals Limited (BEL) is a globally renowned company with a rich legacy of over 80 years in the world of illumination. With a vision to illuminate millions of lives, cities and nations across the globe, we have a deep-rooted commitment to enhance the quality of life through sustainability.

Keeping this in mind, an independent solar wing called Sunsoko was launched. This dedicated wing has a government recognised R&D laboratory. Sunsoko's portfolio includes services of installation, testing and commissioning of all solar applications that reduce the carbon footprint.

Besides this, a team of experienced engineers and specialists ensure a smooth installation and maintenance process. Thus, Sunsoko is the best choice as the ultimate solar system solution provider that adds value to life and the planet.



APPLICATION: Solar Street Light Systems



Street lighting



Switchyard lighting



Security lighting



Garden lighting



Boundary lighting



Any outdoor lighting



Secondary roads in cities and towns

FEATURES: CHARGE CONTROLLER



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



Dimming (optional)



Automatic ON-OFF system



Protection against short circuit, reverse polarity, lightning

“

ALL-IN-ONE

SOLAR STREET LIGHT ”

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 no 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

With phenomenal aesthetics, extruded aluminum housing and an all-in-one built in design, Sunsoko All-in-One is truly the most compact street light around.

ECONOMICAL & ECO-FRIENDLY

Much lower operating cost than the standard street lighting system because of Lithium Ion Phosphate battery. This also makes it a perfect green choice.

THEFT & DAMAGE RESISTANCE

The all-in-one design ensures that the battery lies within the light fixture itself and hence removal of the battery, vandalizing and damaging is reduced to a minimum.

OFF GRID APPLICATIONS

Because the Sunsoko All-in-One is not connected to a grid, it can be used across a variety of outdoor locations.

EASY INSTALLATION

Can be fitted on solar poles and other structures like building facades with ease. Also, it can be shifted comfortably to other locations.

MAXIMUM SAFETY

Because it is powered by the sun, the Sunsoko All-in-One remains operational even during a power outage, preventing accidents. Moreover, because it is not connected to an electrical grid, it is the safest option in the market.



“ ALL-IN-ONE SOLAR STREET LIGHT ”

PRODUCT DESCRIPTION



BUILT IN PIR SENSOR (PASSIVE INFRARED SENSOR)

The specially in-built PIR sensors allows the **Sunsoko All-in-One** to sense motion. In other words, if a human is within sensor range, then it is at 100% full power lighting mode. Otherwise, to save energy, it dims down to 30% power lighting.



PRODUCT TECHNICAL SPECIFICATION

Light Source	12W	15W	18W	20W	25W
Product Name	BSZSL 12W LED	BSZSL 15W LED	BSZSL 18W LED	BSZSL 20W LED	BSZSL 25 W LED
Solar Panel	18W±3W(MONO) 18V	24W±3W(MONO) 18V	30W±3W(MONO) 18V	38W±4W(MONO) 18V	38W±4W(MONO) 18V
Dimension (mm)	650x310x45	650x310x45	650x310x45	960X310X45	960X310X45
LED - Life	50000 hrs	50000 hrs	50000 hrs	50000 hrs	50000 hrs
PIR Sensor	Yes	Yes	Yes	Yes	Yes
IP65	Yes	Yes	Yes	Yes	Yes
Battery - Life PO4	12.8 V 9 Ah	12.8 V 12 Ah	12.8 V 18 Ah	12.8 V 18 Ah	12.8 V 18 Ah
Charge Controller	MPPT	MPPT	MPPT	MPPT	MPPT
Hybrid (AC-DC)	No	No	No	No	Yes
lm/W	120 lm/W	120 lm/W	120 lm/W	120 lm/W	120 lm/W
Colour Temperature	6000K-6500K	6000K-6500K	6000K-6500K	6000K-6500K	6000K-6500K
Net Weight	8.2 Kg	8.2 Kg	12.7 Kg	12.7 Kg	12.7 Kg
Installation Height	3-4 mtrs	4-5 mtrs	5-6 mtrs	5-6 mtrs	6-7 mtrs

Light Source	30W	40W	50W	60W	80W
Product Name	BSZSL 30 W LED	BSZSL 40 W LED	BSZSL 50W LED	BSZSL 60W LED	BSZSL 80W LED
Solar Panel	48W±4W(MONO) 18V	48W±4W(MONO) 18V	75W±7W(MONO) 18V	85W(MONO) 18V	75W±7W(MONO) 18V
Dimension (mm)	1210X340X45	1210X340X45	1210X455X45	1400X455X45	1210x455x45
LED - Life	50000 Hrs	50000 Hrs	50000 Hrs	50000 Hrs	50000 Hrs
PIR Sensor	Yes	Yes	No*	No*	No*
IP65	Yes	Yes	Yes	Yes	Yes
Battery - Life PO4	12.8 V 24 Ah	12.8 V 27 Ah	12.8 V 39 Ah	12.8 V 52 Ah	12.8 V 51 Ah
Charge Controller	MPPT	MPPT	MPPT	MPPT	MPPT
Hybrid (AC-DC)	Yes	Yes	Yes	Yes	Yes
lm/W	120 lm/W	120 lm/W	120 lm/W	120 lm/W	120 lm/W
Colour Temperature	6000K-6500K	6000K-6500K	6000K-6500K	6000K-6500K	6000K-6500K
Net Weight	18.5 Kg	19 Kg	24.4 Kg	24.5 Kg	25.8 Kg
Installation Height	6-7 mtrs	6-7 mtrs	8-10 mtrs	8-10 mtrs	8-10 mtrs

NOTES:

- Timing Working Model: First 3 hours: 45% full power lighting, next 2 hours: 25% power lighting, remaining hours: 10% lighting.
- All product images & installations are indicative.
- Due to continuous efforts in developing and improving products, Bajaj Electricals Ltd. reserves the right to make changes in the design & data and withdraw the luminaire/product without any prior notice.
- Poles in MS-Tubular & GI can be offered on request.



SOLAR SEMI-HIGH MAST

ALL-IN-ONE

Powered by sunlight, the Sunsoko Solar Street High Mast is a raised source of powerful illumination. Designed to withstand strong winds and weather conditions, this product is suitable for major road junctions to guide traffic and provide safe surroundings for travellers at parking lots. It effectively lights up large outdoor spaces and automatically activates according to light sensitivity turning on at dusk and off at dawn.

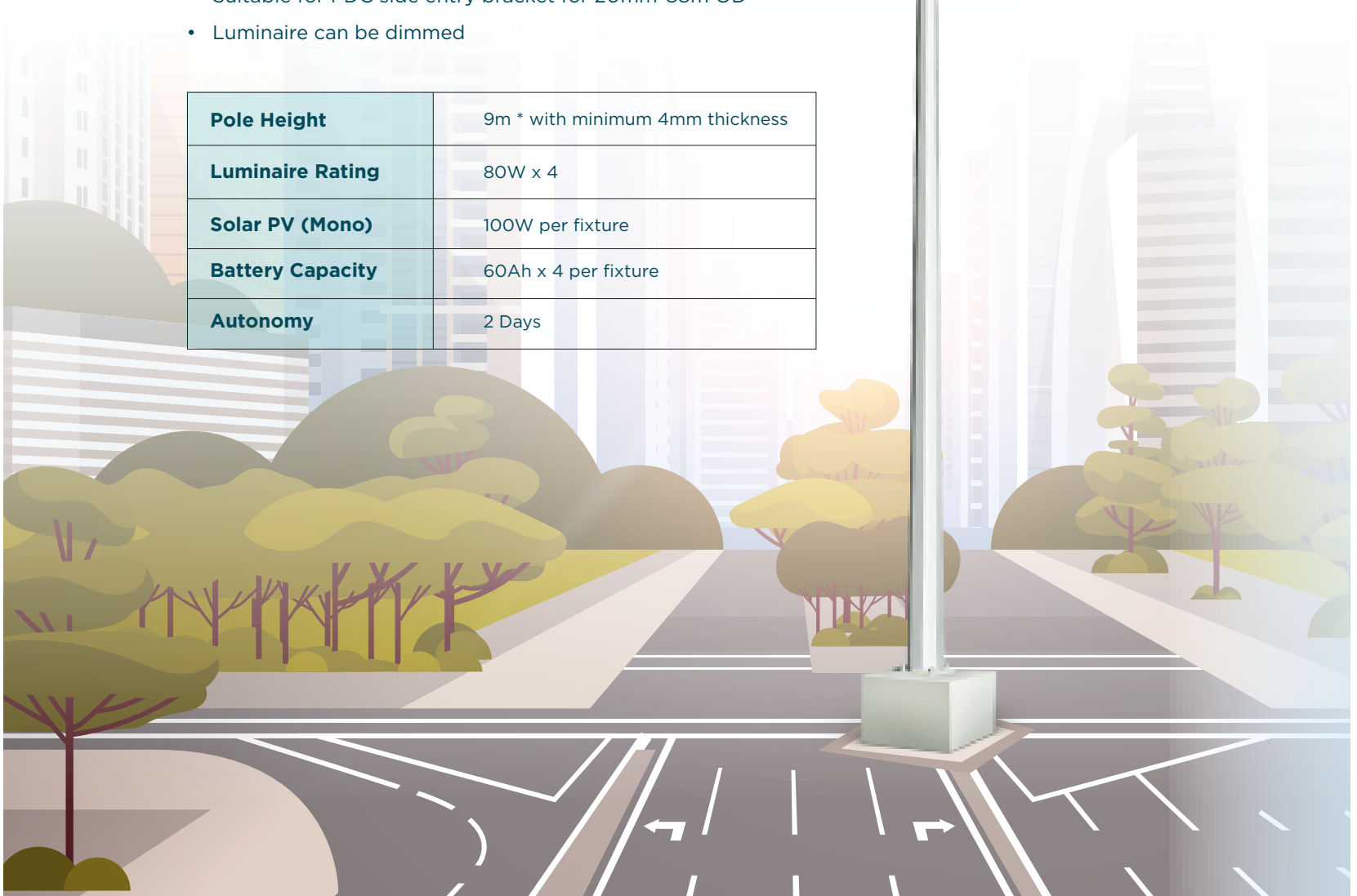


LED LUMINAIRE

ALL-IN-ONE

- Extruded aluminium housing with weather-proof gasket
- Inbuilt charge controller, solar panel, Lithium Ion Battery (Lithium/Life PDy) & PIR Sensor
- LED Compartment is IP66
- Suitable for PDC side entry bracket for 20mm-88m OD
- Luminaire can be dimmed

Pole Height	9m * with minimum 4mm thickness
Luminaire Rating	80W x 4
Solar PV (Mono)	100W per fixture
Battery Capacity	60Ah x 4 per fixture
Autonomy	2 Days





SOLAR SEMI-HIGH MAST STAND ALONE SYSTEM



LED LUMINAIRE

- Highly efficient 4 point LED street lights/flood lights mounted atop of pole with 90° separation
- Specially designed optics with highest quality lenses 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 IP 65 protections
- Solar panels are certified for industry standard IEC 61215, IEC 61730 (Safety class 1 & 11), IEC 61701 and CE

BATTERY

- Rigorously designed for solar lighting applications
- Reduced topping up frequency
- Suitable for frequent cyclic duty

POLE

The pole can be supplied with standard and customised requirements, depending upon applications

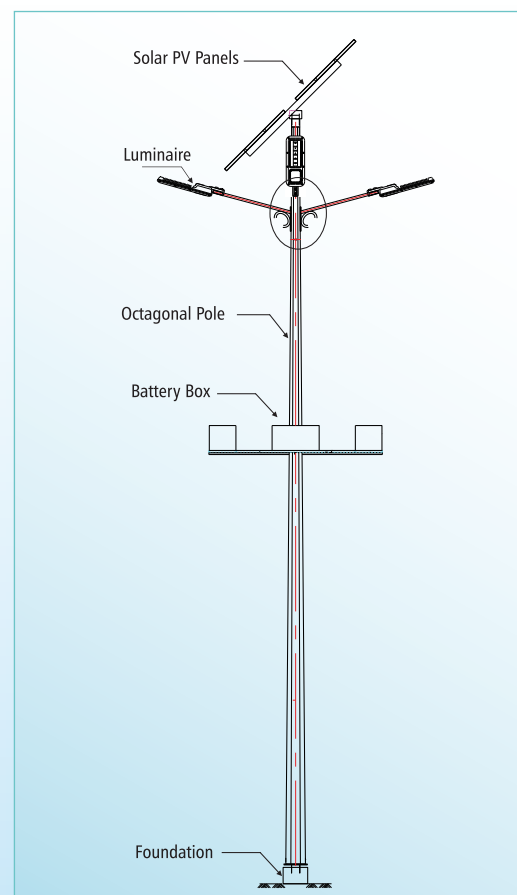
OPTIONS

- Hot dip galvanised octagonal Bajaj smart pole
- Long-life and anti-corrosive GRP pole which can be embedded or flange type

Model No.	SolarZ + 204	SolarZ + 304
Pole Height#	7 mtrs	7 mtrs
Luminaire Rating	20W x 4	30W x 4
Solar PV Rating	100Wp x 4	130Wp x 4
Battery Capacity	75Ah x 4	120Ah x 4
Autonomy*	2 Days	2 Days

#Pole height is above ground level.

*Total system can be offered with one day autonomy and Hybrid system.

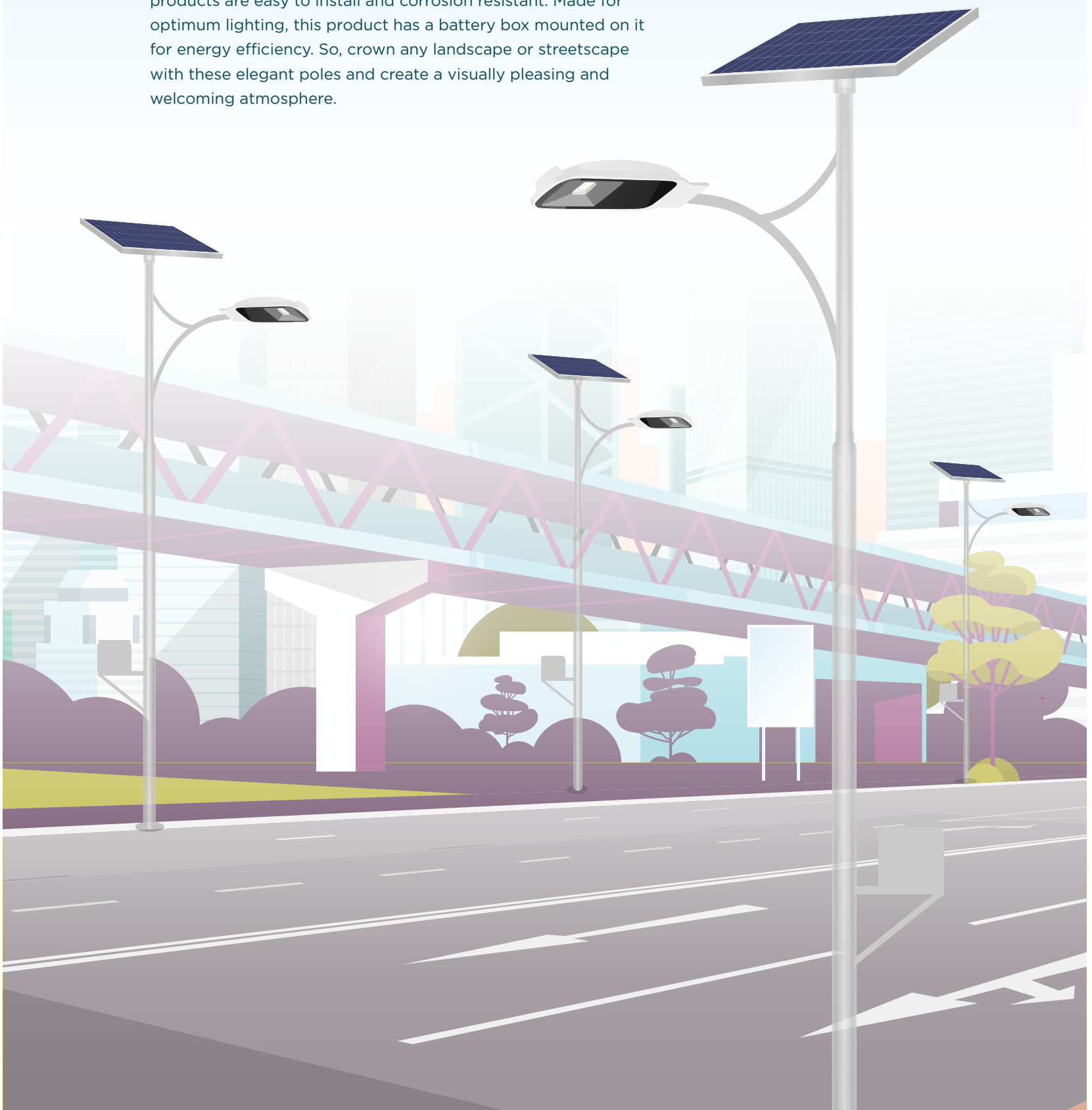




SOLAR STREET LIGHT WITH DECORATIVE POLES



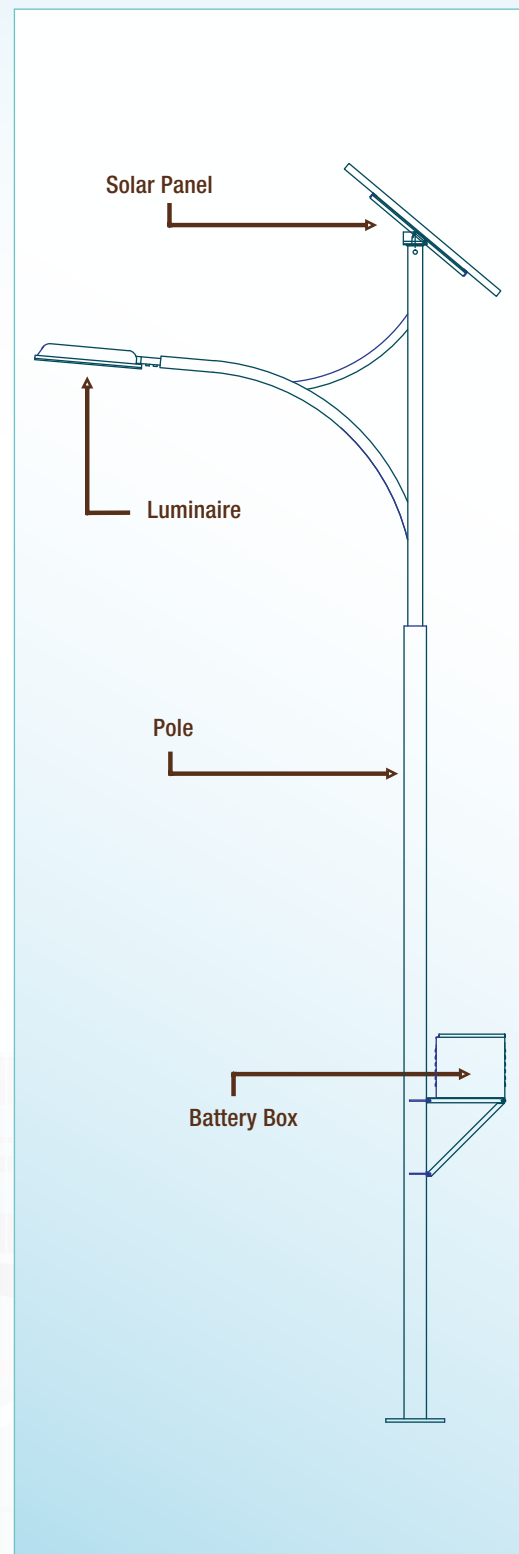
Add the perfect aesthetic touch to any outdoor space with decorative poles and brackets from Sunsoko. These stylish products are easy to install and corrosion resistant. Made for optimum lighting, this product has a battery box mounted on it for energy efficiency. So, crown any landscape or streetscape with these elegant poles and create a visually pleasing and welcoming atmosphere.



POLE

Poles can be supplied with standard and customized requirements depending upon the desired applications with the following options:

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



“ SOLAR LED LUMINAIRE RANGE ”

Built using the finest quality material, the Sunsoko LED Luminaire Range is the perfect choice to light up roads and streets. In order to provide a high lumen output, the luminaires contain a LED chip with heat management systems. Designed for easy installation and minimal maintenance, this range of solar lights have a long lifespan. Moreover, these eco-friendly lights are compact in size and have an inbuilt switch that automatically turns on at dusk and off at dawn.

NEW

ALL-IN-ONE

- Extruded aluminum housing with weather proof gasket
- In built Charge Controller, Solar Panel, Lithium Ion Battery (LiFePO4) & PIR sensor
- LED compartment is IP66 compliant
- Suitable PDC side entry bracket for 20-80mm OD
- Luminaire can be dimmed



ATON (9W/12W/15W/21W)

- Epoxy powder coated pressure die-cast aluminium housing with weather proof gasket and toughened clear glass cover fixed with SS screw
- Inbuilt charge controller is provided with auto switch built in for dusk to dawn operations
- Ingress protection IP65
- Suitable for side entry mounting bracket of 40-50mm OD
- Luminaire can be dimmed (optional)



ARKA (24W/30W/36W/40W)

- Epoxy powder coated PDC aluminium housing with weather proof gasket and toughened clear glass cover fixed with SS screws
- Inbuilt charge controller is provided with auto switch built in for dusk to dawn operations
- Ingress protection IP66
- Suitable for side entry mounting bracket of 40-50mm OD
- Luminaire can be dimmed (Optional)



PUSHA (45W/50W/60W)

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



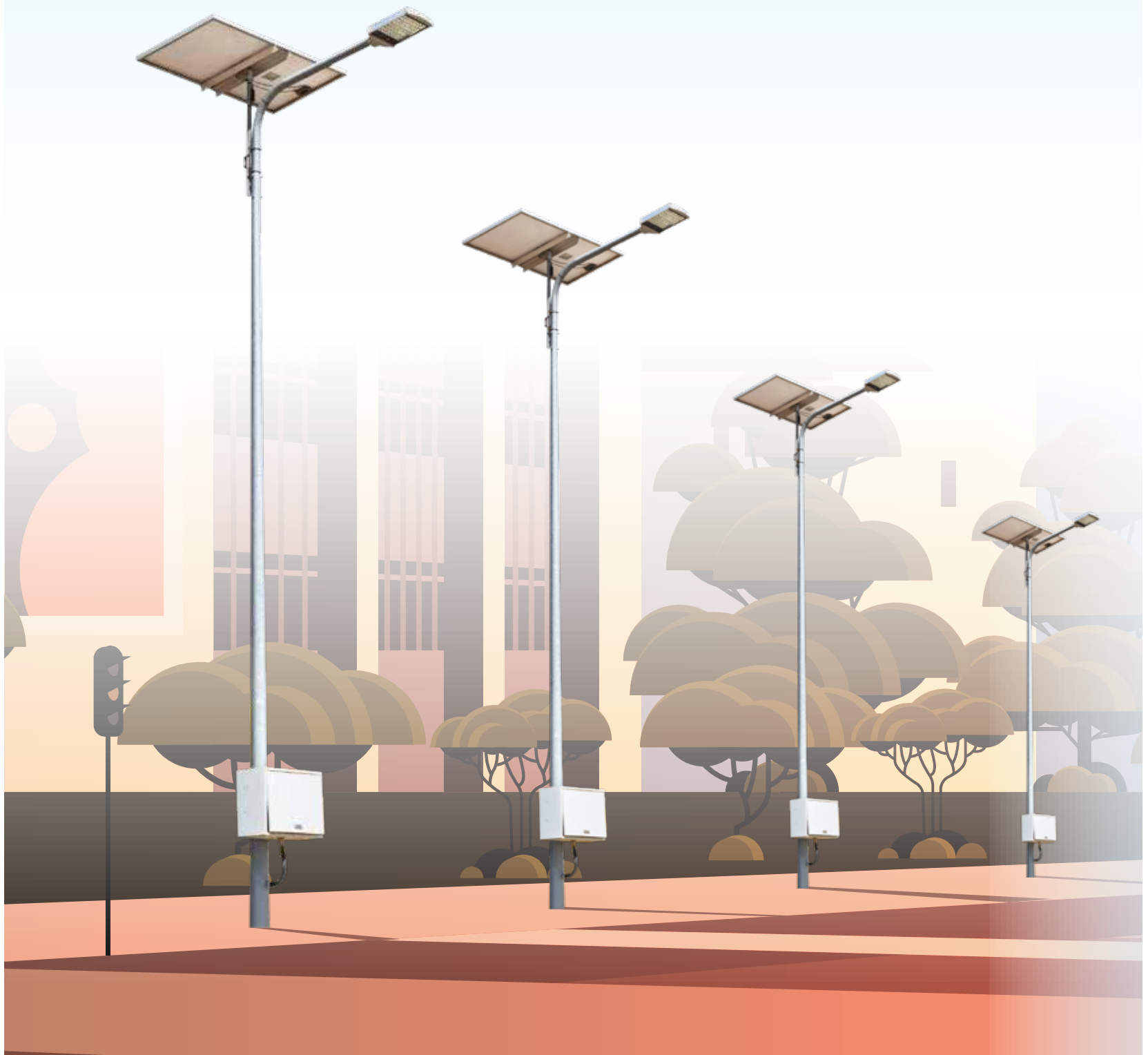
BHANU (70W/80W)

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



“ SOLAR STREET LIGHTING SYSTEM ”

Light up your path with Sunsoko Street Lights. Powered by solar panels mounted on the lighting structure, these state-of-the-art manufactured solar street lights deliver optimum output with good uniformity. Built for the harsh outdoor environment, these compact street lights are easy to install and low on maintenance. Offering a wide range of street light options, these eco-friendly street lights are highly efficient and are designed to work from dusk to dawn.



COMPONENTS DETAILS

SOLAR MODULE:

- High efficiency poly crystalline solar modules are tested for longer durability and manufactured with innovative technologies
- Modules are available in wide watt power ranges suitable for different applications
- Modules are designed for withstanding a 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:

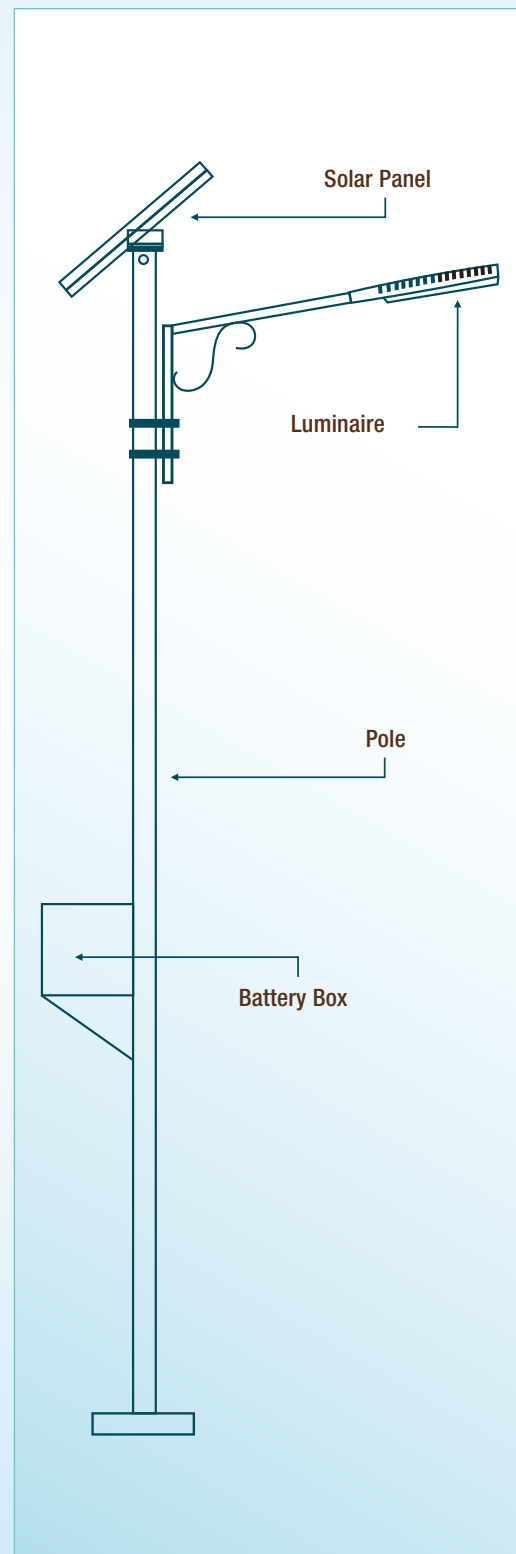
- C10 battery rigorously designed for solar lighting applications
- Reduced topping up frequency
- Suitable for frequent cyclic duty
- Available in Tubular Flooded and SMF version with different voltages and capacities

POLE:

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

OPTIONS:

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



“ SOLAR SEMI INTEGRATED LIGHTING SYSTEM ”

Powered by solar panels mounted on the lighting structure, the new Semi Integrated Solar Street Lights are the perfect way to brighten up your journeys. They are built to deliver optimum output uniformly and can easily withstand harsh outdoor conditions. They are also easy to install and low on maintenance. The wide range of Lithium battery integrated street lights are extremely eco-friendly and the right step towards a sustainable and mindful way to illuminate the streets.



COMPONENT DETAILS

SOLAR MODULE:

- High efficiency poly crystalline solar modules are tested for longer durability and manufactured with innovative technologies
- Modules are available in wide watt power ranges suitable for different applications
- Modules are designed for withstanding a 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

LUMINAIRE:

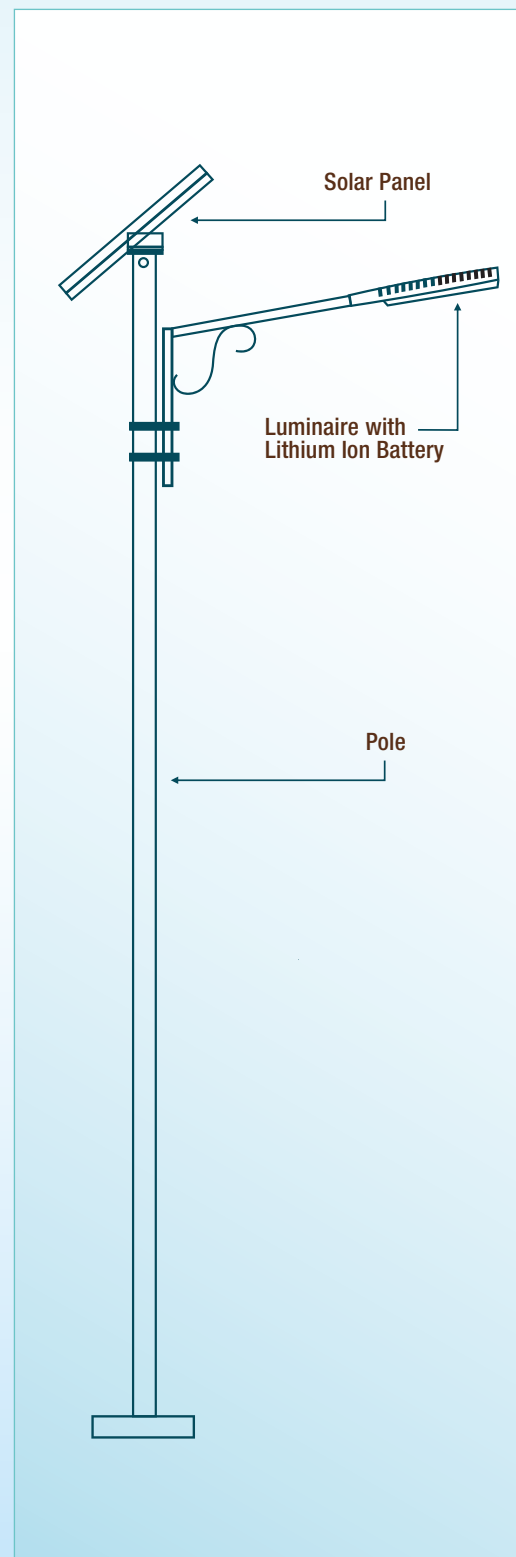
- Inbuilt LifePDy Battery
- Upto 90% efficient
- Best in the industry and safest amongst the segment
- Maintenance free
- IP65
- BMS (Battery Management System)

POLE:

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

OPTIONS:

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



“ SOLAR ROOFTOP RESIDENTIAL SYSTEM ”

Harness the energy of the sun with Sunsoko's Rooftop systems. Offering on grid and off grid systems, these solar panels can be easily mounted on the rooftop of residential buildings. Made with strong materials, these panels take durability to a whole new level. Suitable for the climate, the rooftop solar panels are easy to install, require no additional space to be set up, and are low on maintenance. Providing 30kWp to 300kWp, these rooftop solar panels are an ideal investment to ensure an efficient supply of power.

BENEFITS OF SOLAR POWER

- Solar power is a renewable source of natural energy. India is blessed with abundant sunlight for more than 300 days
- The eco-friendly, non-polluting energy generation will help reduce the carbon footprint and meet the ever-increasing energy demands
- Solar power will help in reducing the energy cost and hedging the future cost for more than 25 years
- Easy to install and maintain



SUNSOKO SOLAR POWER SOLUTION

- Our team includes highly experienced project managers, design engineers and trained operations & maintenance team
- Strong domain expertise to create customised solutions for each customer/project
- Effective and reliable solutions, services, support using latest technology with high quality compliance
- Ensuring highest quality for all solutions, products and services

ROOFTOP SOLUTIONS/CAPTIVE CONSUMPTION SOLUTIONS

RESIDENTIAL:

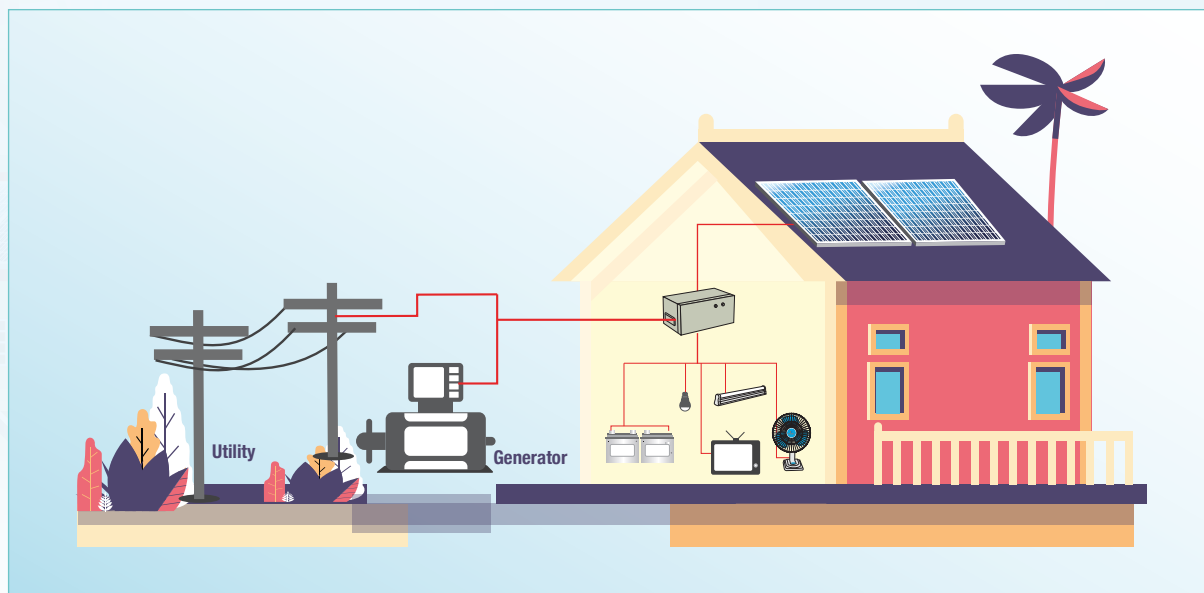
- We offer a wide range of grid-tie solar systems from 3 kWp to 30 kWp in a ready kit for residential, small commercials & SMEs
- Our solar grid-tie kits are compliant to MNRE & CEIG specs.

INSTITUTIONAL/SOCIAL SECTOR:

- Our solar rooftop solutions can help a great deal in savings of operating expenditure for institutions such as schools, colleges, universities, non-profit organizations etc.
- Customers can avail net metering offered from state electricity utility companies, any excess generation from solar can be net benefited with reduction in electricity bills

MICROGRID

- Government of India has laid immense thrust on rural electrification. Solar microgrid is a good option to electrify deep remote villages where transmission line is not possible due to various reasons like: forest, river, international border etc. With the help of solar microgrid, these villages can be brought into main stream.
- At Bajaj Electricals, we have a deep distribution network to reach remote villages. We have technical expertise on both solar power generation as well as electrical distribution network. Our professional team can do the survey and detailed design for both solar capacity and LT line. Our expertise includes complete installation and commissioning of the plant with operation and maintenance of the system for the long run.



“ SOLAR ROOFTOP COMMERCIAL SYSTEM ”

At Bajaj Electricals, we have a deep-rooted belief in sustainable approach to living. Under Sunsoko's portfolio, we offer a wide range of industrial & commercial turnkey solutions which include: design, engineering, supply, installation, commissioning with operation & maintenance.

BENEFITS OF SOLAR POWER

- It is a renewable source of energy that is abundant in India, as we receive sunlight for over 300 days in a year
- It is non-polluting and a great step in addressing the issue of reducing our carbon footprint while still meeting our growing demands
- It helps bring down the energy cost
- Easy to install and maintain



SUNSOKO SOLAR POWER SOLUTION

- Our experienced team includes project managers, design engineers and highly trained operations and maintenance team
- Deep knowledge and know-how enables us to create customised solutions as per the customer's needs
- Delivery of reliable and effective solutions, services and support through the use of the latest technology with high quality compliance

ROOFTOP SOLUTIONS/CAPTIVE CONSUMPTION SOLUTIONS

INDUSTRIAL & COMMERCIAL:

- Our solar rooftop solutions provide a good return on investment by utilising idle roof/ground space
- Our customised solutions can help to reduce/hedge the cost of power at Rs. 3.5 - 4.5/unit* and can give 3 - 4 years payback of investment
- Industrial & Commercial customers are eligible for accelerated depreciation programme for renewables under IT section 32 on investment for solar rooftops, whereas the depreciation claim shall be at 40% of project value in 1st year*

SOLAR ROOFTOP CAR PORT/PARKING:

- Solar rooftop car port is one of the fastest growing trends in photovoltaic solutions. We are front-runners in offering & implementing the solutions for solar powered car park, where users can capitalise on untapped ground/parking for solar energy generation such as schools, colleges, universities, non-profit organizations etc.
- When it comes to designing the solar canopies, number of different layouts and sizes are available. Depending on the number of rows of parking required, a photovoltaic car port is typically one, two or three rows wide
- Installing a solar canopy can generate power by using wide open stretch of pavement into a major electricity generator

UTILITY SOLAR GROUND MOUNT PROJECTS

We follow scientific methodology for developing ground-mount solar projects with latest technology and help in increasing the returns of the project for the developer.

- **FEASIBILITY STUDY:** Starting from land study to the final evacuation point, we offer a comprehensive study which will help the developer understand the realistic investment and operational parameter of the envisaged project.
- **EVALUATION OF TENDERS AND BIDDING:** We support with designing the project as per the tender requirement and help the developer evaluate their investments and returns on investment.
- **EXECUTION:** We provide complete EPC service right from engineering, quality procurement to installation and commissioning of the solar projects.
- **OPERATIONS AND MAINTENANCE:** We offer operation and maintenance services including regular monitoring of the plant, preventive maintenance, quick troubleshooting and implementing solutions.

“ SOLAR MODULES ”

Available in different voltages and wattages, the Sunsoko Solar Modules are manufactured in a state-of-the-art automated process to ensure consistency and quality. Offering a range of modules such as monocrystalline, polycrystalline and thin-film panels, these panels convert light energy captured from the sun into electric energy. Used for providing lighting to residential and commercial establishments, it is a cost-effective source of power. Besides this, it is rugged, light weight, durable, flexible, highly efficient and occupies less space while providing eco-efficient power.

SOLAR PANEL

We offer a wide range of crystalline photovoltaic solar modules ranging from 3Wp to 300Wp. Solar Modules are available in both Mono-crystalline and Polycrystalline technologies. Solar cells are individually tested and matched for optimum performance before being built into a protective module structure. Cells are tested for micro cracks and sorted by power and current to ensure the best performance. Modules are manufactured using a state-of-the-art automated manufacturing process that ensures consistency in production and high quality standards.



FEATURES

Our solar panels are suitable for a wide range of applications from individual homes to industrial roof and ground mounted systems. They are compatible with all industry standard mounting systems as well as charge controllers and inverters.

- High fill factor for improved energy efficiency
- Enhanced reliability through the use of distinctive encapsulates and back sheets
- Robust and rugged design that can withstand high wind pressure, snow load and extreme temperature variations
- High transmission glass ensures maximum efficiency of modules
- Rigorous quality control to meet highest international standards
- Torsion and corrosion resistance tested as per IEC 61701
- Customised back sheet and screw less hollow section frame ensures good aesthetics
- Solar PV panels are certified for industry standard IEC 61215, IEC 61730 (safety class I & II), IEC 61701 and CE

RELIABILITY

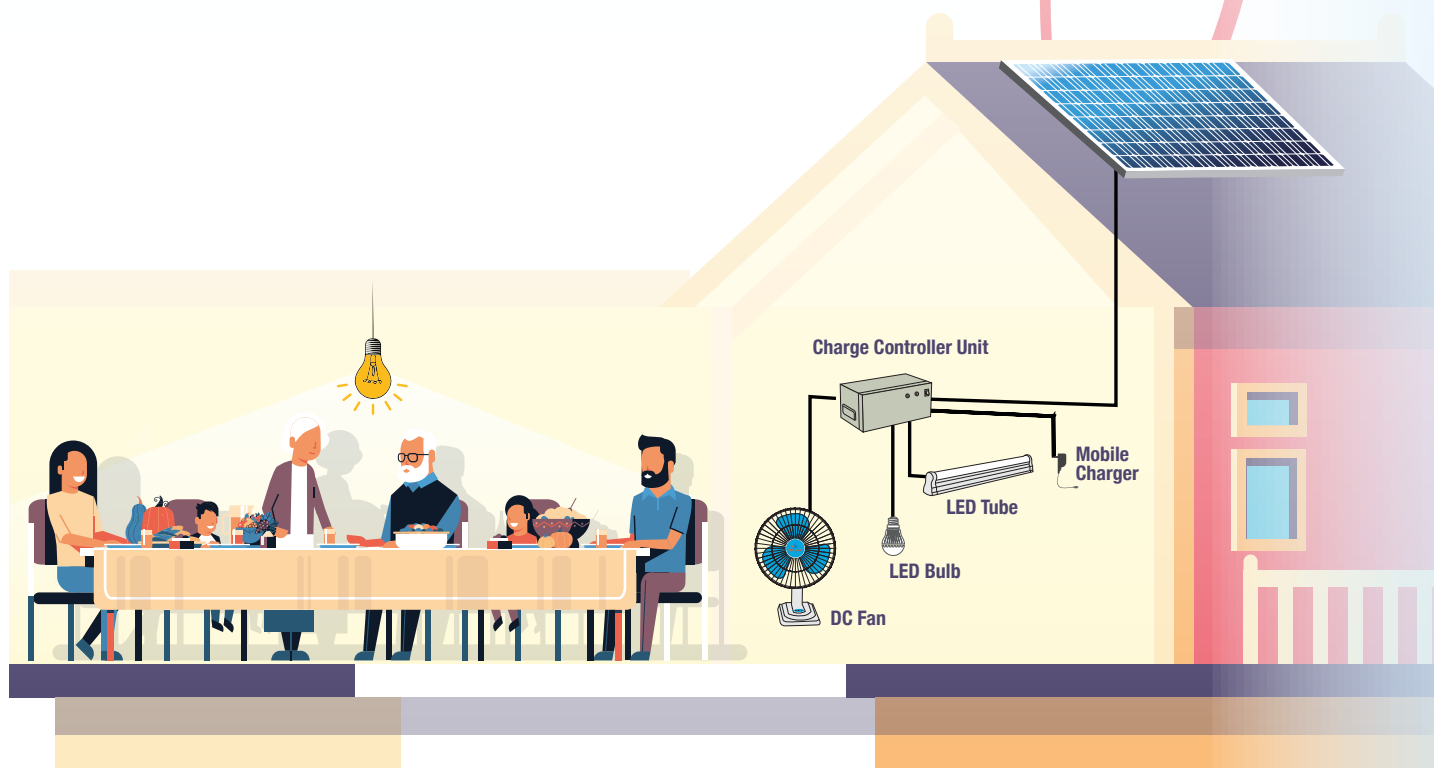
- The panels are backed by a standard 5 years limited manufacturing warranty, and a power warranty of 90% of minimum output power for 10 years and 80% of the minimum output power for 25 years.



“ SOLAR HOME LIGHTING SYSTEM ”

Power up your home with Sunsoko Home Lighting systems. It is not only an economical solution, but also an efficient and reliable one. Compact, portable and easy to install, these solar lighting systems harness the energy of the sun for lighting up homes and powering appliances too. This home lighting system is not only eco-friendly, but also low on maintenance and has batteries to generate power at night. Sunsoko Home Lighting systems are reliable and affordable, and provide peace of mind as you gain energy independence. Truly, a cost-effective and eco-friendly solution to suit households.

Sunsoko Solaron is an independent, compact and elegant 12 Volt DC portable solar system. It provides an ultimate solution for remote locations where electricity is not available, or is unreliable or expensive. Solaron consists of a solar panel, solar battery, charge controller unit, LED batten/LED Bulb, and DC fan (optional). The Solar Panel can be placed above the terrace/rooftop or on open spaces on the ground where clear sun light is available. The charge controller and battery are to be kept in a protected place inside the building.



FEATURES

- Elegantly designed MS powder coated box with choice of colour housing charge controller unit and solar battery
- USB port for charging cellular phones
- Universal mounting, highly efficient, long life LED Battery/LED Bulb which gives uniform light on the working plan
- LED indicators provided on Charge Controller Unit to indicate status of the battery
- The system comes with a package of interconnecting cables, luminaire holders and mounting accessories

Protections	Benefits	Applications
Battery reverse polarity protection	Pollution free	Houses
Battery over-charge	Low maintenance	Banks
Battery deep discharge	No electricity bills	Schools
Open load circuit protection	Safe 12V DC operation	Resorts
Short circuit protection		Emergency Lighting
Solar panel reverse polarity protection		Security cabins
		Other indoor applications

STANDARD SOLARON SYSTEM DETAILS

Type	Type of Load	Solar Panel	Solar Battery	Autonomy*
MODULE 1	3W/4W LED BULB/BATTEN - 1 NOS.	6WP	12V - 7AH	15 hrs
MODULE 1	3W/4W LED BULB/BATTEN - 2 NOS.	12WP	12V - 20AH	15 hrs
MODULE 1	3W/4W LED BULB/BATTEN - 2 NOS. + DC FAN - 1 NO.	24WP	12V - 20AH	15 hrs
MODULE 1	3W/4W LED BULB/BATTEN - 4 NOS.	24WP	12V - 20AH	15 hrs

Solaron also comes as a customised package with various combinations and ratings of LED Bulb/LED Batten, panel and battery depending upon the application. DC ceiling mounted fan is also available as an option. Solaron is developed in line with MNRE technical specification and guidelines.



“ SOME OF OUR ESTEEMED CLIENTS ”

Client	City	Client	City
SEMAC	Hyderabad	Godrej	Dahej
NTPC	Vidyanagar	Ahmedabad Airport	Ahmedabad
Elegant Power Care	Chennai	Bits Pilani	Rajasthan
JCB	Haryana	KSTP	Kerala
Child Fund	Bengaluru	MRF	Chennai
ICRA	Mumbai	UPNEDA	Lucknow
Sri Skanda Consultancy	Bengaluru	Jamnalal Bajaj Vishwaneedam	Bengaluru
L&T	Raipur	HP Campus	Bengaluru
Ceat Tyres	Nagpur	Bajaj Factory	Ranjangaon
RIL	Jamnagar	Nagpur Toll Plaza	Nagpur
Mother Dairy - Amul	Ahmedabad	Marathwada Medical Research Inst.	Aurangabad
Reliance Retail	Multiple Cities	Josh Engineering	Nagpur

“ LETTER OF APPRECIATION ”



Date: 13.1.2016

To
Bajaj Electricals Ltd
Hyderabad.

Kind Attn.: Mr.Sagar

Sub: Letter of appreciation – Reg

We had used Bajaj Electricals LED luminaries and Hybrid solar lighting for MRF, Hyderabad project. The product quality is good and appreciated by end users. Bajaj being the reputed, trusted, familiar and long-time brand we consider them in our projects regularly. We are impressed with their new LED range of products. We look forward mutual business relationship in upcoming years. Wish them all the best for their future endeavours.

Thanking you,

Yours Faithfully

For SEMAC Consultants Pvt Ltd,
Hyderabad.



S.Kumar
Vice President Electrical Dept

Hyderabad Office:
Semac Consultants Pvt. Ltd.
8-1-280F, 1st Floor, Above SBI,
Padmarao Nagar, Secunderabad-500 025. (T.S.)
Tele : 040 27506968, 27502088 Fax : 27507733

Corporate Identity Number
U85110TZ1917PTC317564
ISO 9001:2008 HYDERABAD & DELHI

Registered Office:
Semac Consultants Pvt. Ltd.
Pollachi Road, Mallimachampatti (Post)
Coimbatore - 641 021, Tamilnadu, India
Website : www.semacc.co.in

Bangalore ● Delhi ● Hyderabad ● Mumbai ● Chennai ● Kolkata ● Bhopal ● Muscat ● Dubai ● Doha

“ LETTER OF APPRECIATION ”



Ref.No:060:O&M:EMD:

Date: 11.03.2016

To ,
M/S Bajaj Electrical Limited,
Business Development Manager(Solar),
Luminaires B4,
6th Floor, Rustomjee Aspiree,
Bhanu Shankar Yagnik Marg,
Off Eastern Express Highway,
Sion(E), Mumbai- 400022.

Kind Attn: Mr.Partha Banerjee.

Dear Sir,

This is to certify that PO No:4000147859-M75-1018 dt.22.06.2015 supplied and executed at NTPC-Vindhyachal through M/S Sharda Engg. & Sales Corporation., Vindhyachal has been completed successfully and is in service as of now. It may be noted that your full and final bill has been released by F&A Department.

This is for your kind information and records please.

Thanking you,

Yours truly,

(J.Tewari)
GM(EMD)

JITENDRA TEWARI
GM (O&M-Elect.)
NTPC/VSTPP Vindhyo Nagar
Distt. Singrauli (M.P.) -484885

“ LETTER OF APPRECIATION ”

PITHAVADIAN AND PARTNERS®
14, College Road, Chennai - 600 006
T : +91-44-2827 8361 / 2827 3639
F : +91-44-2827 1053
E : info@pandp.net
W : www.pandp.net

Architecture
Interior
Planning
Engineering
Management



Date : 28.01.2016

To
Bajaj Electricals Ltd
Chennai.

Kind Attn : Mr. Abhishek & Mr. Sivakumar

Sub : Letter of appreciation – Reg.

We are using Bajaj Electrical range of luminaires for Cochin Info Park. The product quality is good and appreciated by end users. Bajaj being the reputed, trusted, familiar and long-time brand we consider them in our projects regularly. We are impressed with their new LED range of products. We look forward mutual business relationship in upcoming years. Wish them all the best for their future endeavours.

Thanking you,


Pithavadian and Partners

14, College road, Chennai-6

BRANCHES : Bangalore - Hyderabad - Kochi

MANAGING PARTNER : PANDHARAJ DUTTA GUPTA, BANGALORE, AJITHA JAY PARTNER : NARAYANANDEE BANGALORE

“ LETTER OF APPRECIATION ”

Date : 23rd March 2016



To,
Bajaj Electricals Ltd.
Luminaires BU - Pune

Kind Attn: Deepak Shah
Subject: Appreciation Letter.

This is to acknowledge the excellent work and commitment towards the lighting design and product services provided for our projects during designing stage.

Bajaj Electricals is constantly upgrading us with rapid changes in LED Technology and better lighting solutions. We have successfully executed many projects with assistance of Bajaj Design, Services & Sales team.

Design & Executed projects in last 2-3 years are as follows:

- 1) Bajaj Auto Ltd.
- 2) Indospace Industrial Park Pvt. Ltd.

Design Support given to projects in last 2-3 years is as follows:

- 1) Bajaj Auto Ltd.
- 2) Indospace Industrial Park Pvt. Ltd.
- 3) Wirtgen India Pvt. Ltd.
- 4) ThyssenKrupp India Pvt. Ltd.

We are thankful to Bajaj Electricals luminaire team for all services provided to us and looking forward best assistance, timely co-ordination & support from the team in future also.

We wish them all the best for all future endeavours.

Thanks & Regards,

For VA Pune,

JAGDISH TUKARAM DANGALE
Sr. Design Manager

"VEDUS", 1st floor, Plot No 52, Sr. No. 39/1,
Bharatkunj Co-op Housing Soc, No. 2,
Erandwana, Pune - 411 038, India

+91 20 4149 7500
www.vagroup.com

“ LETTER OF APPRECIATION ”

Knexir Consultants Pvt. Ltd.
Consulting Engineers

Sahney Compound, 27, Krol, 1st Floor, Building B, Vidyavihar (W), Mumbai 400 086.
Tel.: 91 22 61547800 • Telefax: 91 22 25111092
CIN : U74140MH2010PTC205641 • E-mail : knexir@knexir.in • Website : www.knexir.in



Date: 06/06/16

To,

Bajaj Electricals Ltd.
6th Floor, Rustamjee Aspiree,
Dhanushankar Yagnik Marg,
Sion (East) Mumbai 400 022
Mumbai.

Kind Attn: Ms. Suchita Adis.

Subject: Appreciation Letter.

This is to acknowledge the excellent work and commitment towards the lighting design and product services provided for our projects during designing stage. We have successfully worked together on following projects:

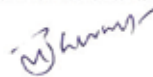
1. Colgate Palmolive Myanmar
2. Escentia Vizag
3. GVK Biosciences Hyderabad

We have used various types of LED products of Bajaj & we are happy with the product and services offered by them.

We wish her all the best for all future endeavours.

Thanks & Regards,

Yours Faithfully,
For Knexir Consultants Pvt. Ltd.



Sudhir R. Sawant
(Director)

“ LETTER OF APPRECIATION ”

JCB INDIA LIMITED



Date: April 19, 2016

Bajaj Electricals Ltd.,
Faridabad, Haryana.

Kind Attention: Mr. Deepak Vashishat.

Dear Sir,

We have been using BAJAJ brand solar pole light fittings in our plant. We are happy with product performance & the technical support that we get from BAJAJ team. We find BAJAJ solar pole lighting product aesthetically pleasing & they are value for money.

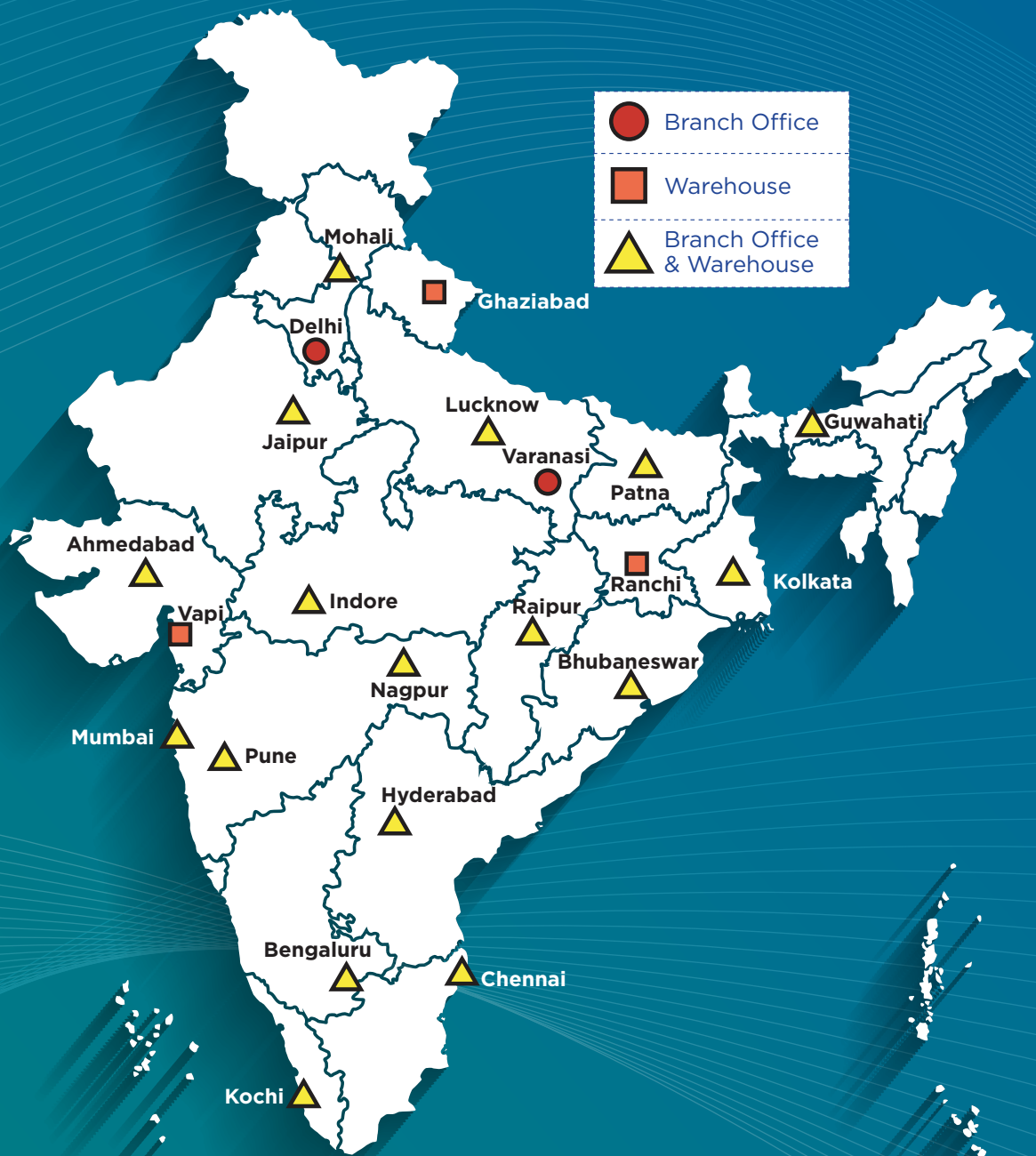
BAJA also has an innovative & energy efficient range of products.

BAJAJ team after sales support is excellent and they always deliver our requirements.

FOR JCB India Ltd.

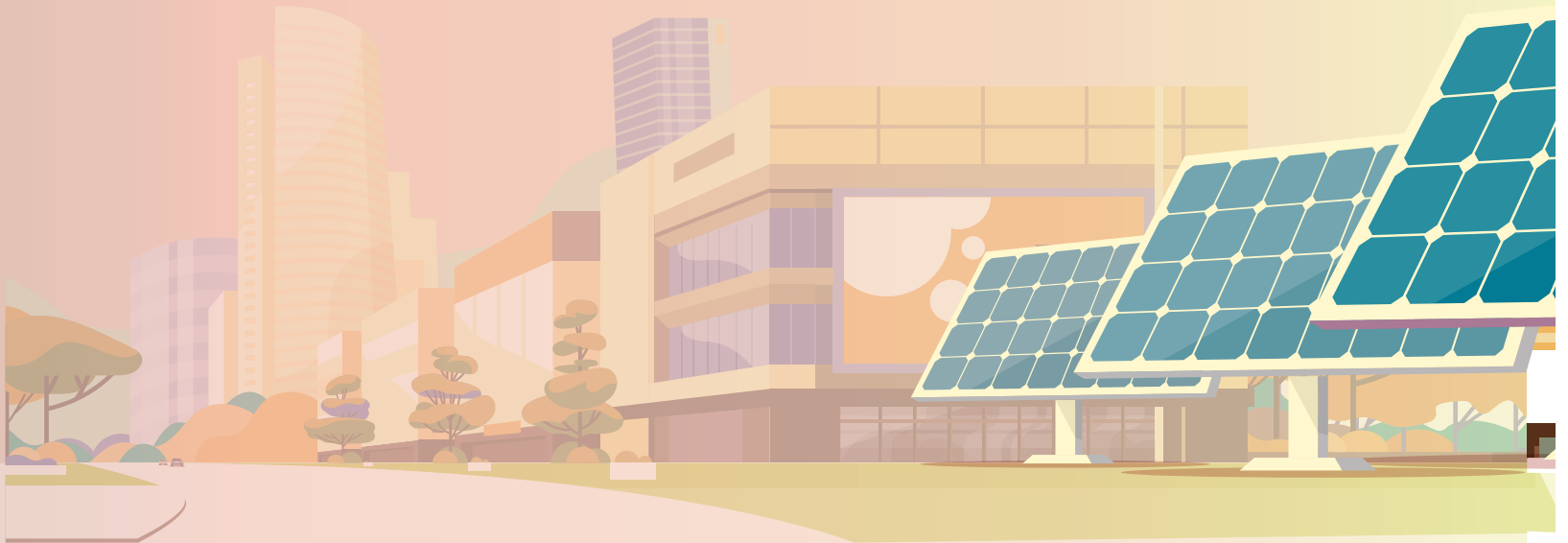
Authorized Signatory

“ OUR PRESENCE ”



NOTES: _____

Version 1.1



BAJAJ
Bajaj Electricals Ltd.
Inspiring Trust

602, Rustomjee Aspiree, Bhanu Shankar Yagnik Marg,
Off Eastern Express Highway, Sion (E), Mumbai - 400 022
Tel.: 022-2406 4400 | E-mail: luminaires@bajajelectricals.com
www.bajajelectricals.com

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