



# COMPANY PROFILE

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STARLITE RENEWABLES



# COMPANY PROFILE

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## LIST OF COMPANY

Ms. Synchro Electricals


Ms. Starlite Renewable

Ms. Ramdoot Enterprise

# THE CONTENT

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# ABOUT STARLITE RENEWABLES

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Starlite Renewables, established in 2019 by Mr. Nikunj Gupta and a seasoned team of renewable energy enthusiasts, has emerged as a beacon in the field of sustainable energy solutions with operational bases in Ahmedabad and Bhopal, Starlite Renewables has cultivated a reputation for excellence in the design, development, and manufacturing of solar power equipment.

# MORE ABOUT STARLITE RENEWABLES

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At the heart of Starlite's success lies its dedicated in-house team of experts, possessing a wealth of experience and expertise in the renewable energy sector. This dynamic team is committed to guiding clients through the process of selecting the most suitable components, including ACDBs, DCDBs, connectors, and more, tailored to their specific requirements.

Starlite's mission transcends geographical boundaries, as it endeavors to spearhead a global renewable energy revolution. By manufacturing and assembling a diverse range of equipment such as MC4 Connectors, ACDB DCDB, Cables, Solar Street Lights, Home Lighting Systems, Inverters, and panels, Starlite Renewables is actively contributing to the proliferation of sustainable energy solutions worldwide.

Since its inception, Starlite Renewables has proudly served over 150 solutions to clients across the globe, boasting a remarkable 99% satisfaction rate. This sterling track record is a testament to Starlite's unwavering commitment to delivering top-notch products and unparalleled customer service. With a steadfast focus on innovation, quality, and customer satisfaction, Starlite Renewables continues to illuminate the path towards a cleaner, greener future powered by renewable energy.

# CEO STATEMENT

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NIKUNJ GUPTA

Email ID - [nikunj.gupta@starliterenewables.com](mailto:nikunj.gupta@starliterenewables.com)

Energy enthusiast

Giving Efforts To became one of  
the best Solution provider for Electricity need  
through Renewable Energy in the world..





# COMPANY HISTORY

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As a first step, Starlite Renewables was founded in November 2019 by two engineers to provide service to local industry with the vision to improve national economy by 0.001% by its services and solutions .

2019

Establishment - 2019  
Service Provider in  
local Industries.

2020

Provide Solution through Standard  
Solutions in various segments  
like Solar & Infrastructure.

2023

To Become IEC Compatible  
Solution Provider In Solar &  
Industries at Global Level.



# MISSION

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Our mission is to transform the renewable energy sector by delivering innovative and sustainable supply and service solutions. We are dedicated to accelerating the transition to clean energy sources and fostering a greener future for generations to come. Through our unwavering commitment to excellence, integrity, and collaboration, we strive to be the premier provider of renewable energy products and services.

## & VISION

Advancing our national economy by 0.001% through providing synchronized solutions. Our vision is to be the market leader in the design, distribution, and implementation of industrial electrical solutions. We will address this challenge by developing innovative marketing, engineering, and customer service strategies to meet the evolving needs of our individual customers.



# WHAT WE DO?

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# OUR SERVICES

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## Electrical services in various sectors like

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SOLAR & RENEWABLE

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INDUSTRIES

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BUILDING

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GOVERNMENT

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CORPORATE

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# OUR PRODUCTS

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- LT PANEL 800V AC
- AC DISTRIBUTION BOX
- DC DISTRIBUTION BOX
- AC COMBINER BOX 800V AC
- DC DISTRIBUTION BOX
- AC COMBINER BOX 800V AC
- ARRAY JUNCTION BOX/DC MCB BOX
- SOLAR CABLE
- STRING MONITORING BOX:



# LT PANEL 800V AC

For Ground Mount Solar PV Application



## Key Feature:-

- Enclosure material: CRCA.
- Compartmental Double Door Enclosure With canopy and lifting hooks
- 800V AC MCCB for Input Protection (Thermal Magnetic/Microprocessor)
- 800V AC ACB for output protection (MF/MDO/EDO)
- Sheet Thickness: 1.6 mm/ 2 mm
- Ingress Protection: 54/55
- Operational Voltage
- Insulation Voltage: Up to 1000VAC
- Inbuilt SPD
- Air Circuit breaker
- Multi-Function Meter
- Auxiliary Panel
- Bus Bar : Aluminium/Copper
- Input Method : Double Compression Nickel Plated Cable Gland
- Output Method : Double Compression Nickel Plated Cable Gland
- PlalIMI Cable Gland
- Tested & Certified as per IS & IEC 61439 standard

MODEL	DESCRIPTION
LT-0301	3 IN 1 OUT
LT-0401	4 IN 1 OUT
LT-0501	5 IN 1 OUT
LT-0601	6 IN 1 OUT
LT-0802	8 IN 2 OUT
LT-01002	10 IN 2 OUT
LT-01202	12 IN 2 OUT

# AC DISTRIBUTION BOX

For Rooftop & Ground-Mount Solar PV Application



## Key Feature:-

- AC Disbution boxes ara tasted and certified as per IEC/IS standard up-to operating voltage of 1000V AC
- The AC distribution box are available in CRCA /olycarbonate/ FRP enclosure with screw and latches opening provision to maintain to deliver better reliability owards tough weather conditions.
- Degree of protection IP-65/66
- Tailor made product ae per customer requirements.
- AC distribution boxes CRCA enclosure are crafted with In house powder coating and phosphating facility
- In house testing facility:-
  - Current Test
  - High Voltage Test
  - Torque Test
  - Temperature Rise Test
  - Insulation reaiatance Test
  - Ingress Protection Test

MODEL	DESCRIPTION	
ACDB-0101	1 IN 1 OUT	For Single Phase
ACDB-0102	2 IN 1 OUT	For Three Phase
ACDB-0103	3 IN 1 OUT	For Three Phase
ACDB-0101	4 IN 1 OUT	For Three Phase
ACDB-0102	5 IN 1 OUT	For Three Phase
ACDB-0103	6 IN 1 OUT	For Three Phase
ACDB-0103	7 IN 1OUT	For Three Phase

# DC DISTRIBUTION BOX

## For Ground Mount Solar PV Application



### Key Feature:-

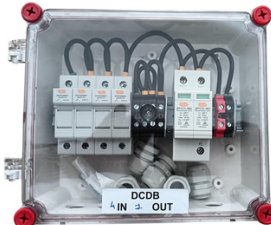
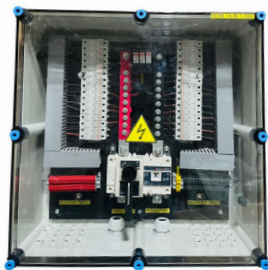
- All of BSE-DC Distribution boxes Is tested/certified as per IEC/IS standard.
- The enclosure is accessible only via the use of tools in order to ensure the protection.
- Customizable based solution as per customer needs & requirements.
- Reliable electric safety to avoid hazard.
- Easy and decent cable management.
- Wall mounting design for easy installation and maintenance.
- Every terminal is secured and weather proof for outdoor applications also highly secure wiring, besides being insulated with PG cable gland or built-in MC4 terminal connector on demand.
- Protects the system if there is any fault during failure in DC side.

MODEL	DESCRIPTION
DCDB -0101	1 IN 1 OUT
DCDB -0202	2 IN 2 OUT
DCDB -0303	3 IN 3 OUT
DCDB -0404	4 IN 4 OUT
DCDB -0606	6 IN 6 OUT
DCDB -0808	8 IN 8 OUT
DCDB -1010	10 IN 10 OUT



# ARRAY JUNCTION BOX/DC MCB BOX

## For Rooftop Solar PV Application



### Key Feature:-

- BSR Array junction boxes are tested and certified as per IEC 61439-1 standard up to operating voltage of 1000V DC
- The enclosure is made of high quality polycarbonated material.
- Degree of protection IP-65/56
- The enclosure is accessible only via the use of tools in order to ensure the protection
- Tailor made product customised as per customer needs
- Blocks the reverse flow of current from battery to solar panels.
- Reliable electric safety to avoid hazard.
- Obstructs sudden surges due to lightning strokes during cloudy and rainy conditions and ground the surges immediately.
- Fuses for overload protection on each string.
- Available in reverse blocking diodes (option). Easy cable termination with plug in and plug out feature.
- Time and money saver solar string management.
- Space saving and orientation flexibility. Reliable electric safety to avoid hazard.

MODEL	DESCRIPTION	OUTPUT
AJB-0101	1 IN 1 OUT	For 1 Solar Array String
AJB-0201	2 IN 2 OUT	For 2 Solar Array String
AJB-0301	3 IN 3 OUT	For 3 Solar Array String
AJB -0401	4 IN 1 OUT	For 4 Solar Array String
AJB -0501	5 IN 2 OUT	For 5 Solar Array String
AJB -0601	6 IN 3 OUT	For 6 Solar Array String
AJB -0701	7 IN 4 OUT	For 7 Solar Array String
AJB -0801	8 IN 1 OUT	For 8 Solar Array String
AJB -1201	12 IN 1 OUT	For 12 Solar Array String
AJB -1801	18 IN 1 OUT	For 18 Solar Array String
AJB -2401	24 IN 1 OUT	For 24 Solar Array String

# SOLAR CABLES

## For Rooftop & Ground-Mount Solar PV Application



## Special Properties of Solar Cable

- UV Resistance: Full protection against Ultraviolet Rays.
- Outdoor Durability: resists extreme temperatures (-40°C to 120°C) & ozone resistant.
- Halogen-Free: Low Smoke Emission & Low Toxicity/Corrosively during fire.
- Properties against fire: flame retardant, fire retardant.
- Flexibility and stripping ability: for fast and easy installation.
- Lifetime reliability: lasts up to 30 years even under tough external conditions.
- Fully Recyclable: In accordance with new environmental regulations.
- Suitable to any connector types.
- According to EN/IEC/IS

## Constituents

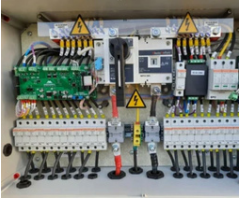
- BSE solar cables are manufactured with the following materials.
- Zero Halogen Polyolefin Compound
- Annealed Tinned Copper Conductor
- Cross Linked Polyolefin Compound

## Mechanical Features

- Resistant to Impact, tear & abrasion
- Minimum bending radius - 4 times of overall diameter.
- Safe pulling force -50 N/sq mm

# STRING MONITORING BOX

## For Rooftop & Ground-Mount Solar PV Application



### Key Feature:-

- Real-Time Performance Monitoring: Tracks voltage, current, and power of each string to ensure optimal performance.
- Fault Detection: Identifies issues such as shading, panel malfunctions, and wiring problems.
- Protection Features: Includes overvoltage, fuse, and surge protection to safeguard the system.
- Communication Interfaces: Supports wired (RS485, Ethernet) and wireless (Wi-Fi, Zigbee) options for data transfer.
- User Interface: Equipped with displays and controls for on-site diagnostics, plus mobile and web app compatibility for remote monitoring.
- Data Logging: Stores historical performance data for analysis and reporting.
- Scalability: Allows for expansion and adjustment to accommodate system growth and varying sizes.
- Integration with Monitoring Platforms: Compatible with various software platforms for comprehensive system management.

# MC4 CONNECTORS



## Key Feature:-

Starlite Renewables is a leading Provider of MC 4 Connectors of all Kind T 2 Connectors, T 3 Connectors, T 4 Connectors, T 5 Connectors, T 6 Connectors and Fuse Connectors from Ahmedabad Gujarat, Starlite Connectors are Inspected properly as to give customer best Quality of Connectors .

## Brands We are Dealing with :-

- Staubli Connectors
- Amphenol Solar Pv Connectors
- Bizlink Connectors



GHANA-INDIA TRADE  
ADVISORY CHAMBER  
(GATAC)



MINISTRY OF MICRO  
SMALL & MEDIUM  
ENTERPRISE  
(MSME)

# OUR CUSTOMER

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## GET IN TOUCH

### **STARLITE RENEWABLES**

B 302 Fairdeal House, Swastik Cross Rd,  
Navrangpura, Ahmedabad, Gujarat  
380015



**[Starliterenewables@gmail.com](mailto:Starliterenewables@gmail.com)**



**+91 8839388526**  
**+91 8982251724**