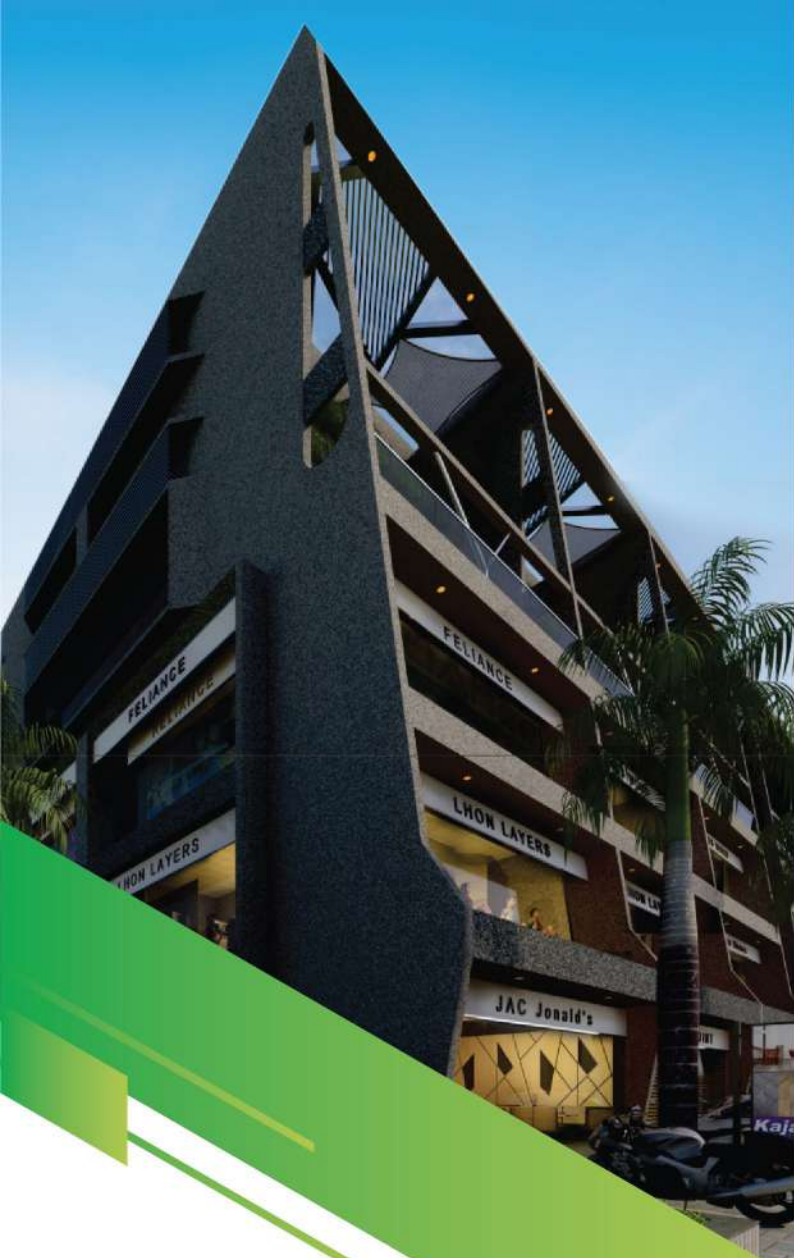




WELCOME TO
THE WORLD OF
LITHIUM-ION

www.sikoenergy.com



About Us

"With the legacy of sound background, experience and futuristic vision we have entered in the field of "Green Energy"

SIKO Energy Private Limited is a separate entity of Ganesh Electricals & Amit Pomeg-Tech. Our founders have 20 + years of experience in the field of supply, installation & commissioning of solar & other electrical goods & services, food processing industry, supply of non-cooking steam & imported coal to thermal power plant, cement & steel industries.

SIKO Energy Pvt. Ltd. is a prominent Lithium Ion Battery manufacturer in India providing superior quality of Lithium Ion Batteries, Lithium Ion Cells, LifePO4 Cells, Battery Packs for Electric Vehicles, Solar Street Lights, Energy Storage Systems (UPS & Inverter), Telecommunication, Solar Home lighting System, portable devices, and likewise. We are **ISO 14001: 2105** – Environment Management System & **ISO 9001: 2015 & 14001 : 2015** integrated management systems certified prestigious company in Indian private sector.

Mr. Amit Patel and Mr. Ketan Patel along with their young and dynamic team led the foundation of SIKO Energy Pvt. Ltd. under the visionary leadership of Chairman Mr. A. J. Patel, Ex. Joint Commissioner of Industries, Gujarat and Ex. Controller of Weight & Measurement Department, Gujarat.

20+Years
EXPERIENCE



Our Vision

Is to be the No.1 Lithium-Ion Battery manufacturer in India & to promote Green energy products to lead environmental benefits for the betterment of human being & nature.



Our Mission

Is to innovate continually and drive best out of our people, process & product in order to provide best in class products & services to our customers.



Our Ethos

We strive to be perceived by our customers as a company whose products, service and support consistently exceed those of our competitors. We continuously scale up our products & services.



Manufacturing Facility

At SIKO Energy our team is working in the world-class factory, which is spread over 2000 SQM. The factory is outfitted with the latest technology & facility. We follow international quality & safety standards from the beginning to the finishing, our every product goes through stringent durability and reliability tests than it faces in actual condition. As a result of which our customers get the best quality products.



OUR ESTEEMED CLIENTS





Lithium-Ion Cell

Prismatic Cell



Cylindrical Cell



Pouch Cell



SIKO Energy Pvt. Ltd. manufactures different types of Lithium-Ion Cell like Cylindrical Lithium-Ion Cell, Pouch Lithium-Ion Cell, Prismatic Lithium-Ion Cell. These cells are made of Lithium Ferro Phosphate (LiFePo4). These Lithium-Ion Cell are not only environment-friendly but comes with a faster recharge rate, long life cycle & are lighter in weight. The Discharge rate of these cells is low & are maintenance-free. **We also offer customization as per our customers requirements.**

Features

- ✓ Long Life Cycle
- ✓ Light in Weight
- ✓ Required Less Space
- ✓ Environment Friendly
- ✓ High Operating Voltage
- ✓ Low Self Discharge Rate
- ✓ Faster Recharge Rate

Application

- Digital products
- Laptop & Computers
- Power equipments
- Electric vehicles
- UPS

Specifications

Capacity (Ah)	Life Cycle
2.5	1000-1200
6	1000-1200
10	1000-1200
20	2000-2500
30	2000-2500
40	2000-2500
50	2000-2500
70	2000-2500
78	2000-2500
80	2000-2500
100	2000-2500
150	2000-2500
200	2000-2500



Battery Pack

EV Battery



Electrical Vehicle Battery ●

SIKO Energy manufactures automotive-specific batteries as well. These batteries are well designed for Electric Scooter, Electric Bicycle, Electric Rickshaw. These Lithium-Ion batteries are approved by the Govt of India and approved by MNRE Department of India as well. Our batteries range from 48V 20Ah to 48V 100Ah.

● Solar System Battery

SIKO Energy Pvt. Ltd. manufactures Lithium Ferro Phosphate (LiFePo4) batteries for wide range of Solar applications. Our Lithium Ion Batteries are mainly used in Solar Street Light & Solar Roof top. These Lithium Ion batteries are approved by MNRE Department of Govt. of India.

Solar Battery



Energy Storage System Battery ●

SIKO Energy PVT. LTD. manufactures Lithium Ferro Phosphate (LiFePo4) batteries for a wide range of Energy Storage System Devices. Our manufactured Lithium-Ion Batteries are mainly used in Inverter & UPS. Our Lithium-Ion Battery Packs comes with 5 DC output port of 12V, 5 AC output port – 230 V, 5 USB port with digital display indicator. We are flexible with our approach hence **we also offer customized systems for bigger application as per our customers requirements** and also, for high application solution our system can charge from AC/DC input to produce AC/DC output for various appliances.

Storage System



Application

Features

- ✓ Long Life Cycle
- ✓ Eco Friendly
- ✓ Quick Charge
- ✓ Plug & Play Battery
- ✓ Low Running Cost
- ✓ Maintenance Free
- ✓ Customizable Sizing
- ✓ Compact and Light Weight
- ✓ Mechanical Locking Arrangement
- ✓ Wide operating temperature
- ✓ Steady output voltage
- ✓ Vibration & shock resistant
- ✓ No memory effects
- ✓ Pressure resistant cells



E-Scooter



E-Bicycle



E-Bike



Solar Rooftop



E-Rickshaw



Inverter & UPS



Solar Street Light

Solar Home Lighting System



1 kW System

As a result of our continuous innovation and zest to make life simpler & better for everyone, we present you our Solar Home Lighting System which is a one smart solution for the residents living in a remote areas where there is no availability of Grid and providing electricity to consumer is a challenging task. Since electricity is one of the basic requirements from which no one should be deprived off, our Solar Home Lighting System serves its purpose to the best and is already incorporated by the Government of India in its various schemes to make the living better.

SIKO Energy Solar Home Lighting system comes with Lithium Ion Phosphate Battery Pack (i.e. Lithium Battery), LED Lights, BLDC motor Fan, Solar Panel (Module). We have range of solution ranging from 1 kW, 2 kW, 4 kW, 8 kW to 10 kW system.

We are flexible with our approach hence we also offer customized systems for bigger application as per our customer requirements.

Features

- ✓ Long Durability
- ✓ Low Maintenance
- ✓ Superior Lithium-Ion Battery
- ✓ Environment Friendly

Components



Battery Pack



Solar Panel



Fan



Tube Light

1 kW System Specifications

Component	Specification
Battery	12.8V - 80Ah
BLDC Fan	15-20 W
LED Lights	7 W
Solar Panel	200 W

BMS-Battery Management System



BMS

SIKO Energy Pvt. Ltd. provides best in class BMS for Energy Storage System batteries, Solar System batteries & EV batteries There are many benefits of Siko's Battery Management System such as, it improves the efficiency & performance of battery, monitors all cells current & voltage fluctuations in pack, monitors temperature of the pack.

Hence, BMS shows all parameters that prompts you to take required action.

Application

- E-Vehicles Battery
- UPS & Inverter Battery
- Solar Battery



Our Future Ventures

The world is moving towards smart technology developments. India too is developing at a rapid pace with time bound targets. We too are in the race to be ahead in the industries having experiences in the related fields. For a new project, Company is in advance stage of finalizing and negotiating the futuristic projects.

● Smart Meter



All type of electric meters (electricity consumption measuring and reporting meters) will turn in to Smart Meters in India just as other developed countries. Conventional meters will be obsolete. The demand for the Energy Smart Meters has already started having huge prospects and required competence. We are in advanced stage of finalizing and starting the production within 6 months of time.

● Electric Vehicles



E-Scooter

Environmental issues are increasing at a speed which cannot be controlled with technological developments. There is no choice but to go for environmentally friendly production and that is why the whole world is witnessing the changing in scenario. One such big change is a must in the field of E-Vehicles. Gradually it is picking up with improved productive technologies.



E-Bike

Battery System is the most critical component for the success of a successful E-Vehicle. Company is already into manufacturing and marketing of products which use "Lithium Ion PO4 batteries" with 5 years warranty in the product "Home Lighting Systems". The success of the product is reflected both in sales as well as the profitability of the company. The targeted project implementation is maximum up to 9 months and resources are geared up to meet with the target.



E-Rickshaw

The above two new projects will be the game changers justifying the exponential growth of the company. Alongside work of Electricals and Automation business, company's focus is mainly on the "Environment friendly Products and Projects", the need of the hour consisting of renewable energy products. We also evolve with our contributions in manufacturing and supplying of futuristic concepts with a focus on "Sustainable Environmental Development".



E-Bicycle



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