

***DESH KI
TECHNOLOGY***



NEXUS SOLAR ENERGY

COMPANY PROFILE

www.nexussolarenergy.in

ABOUT US

Nexus Solar Energy Pvt Ltd, established in 2019 by Mr. Deepak Chaudhary, a renowned solar expert with Mr. Vijay Pal Singh, is a premier solar energy company in India. With a remarkable 16-year background in manufacturing lead acid batteries plates and batteries.

He has transformed Nexus Solar Energy into a prominent and trusted name in the solar industry.

Our extensive range of solar products include N-type solar panels, lithium batteries, solar air conditioners, transformer-less wall mounted off-grid and hybrid solar inverters.

Our unwavering commitment to quality has propelled us to the forefront of the solar industry in India. Boasting a network of over 1150 dealers and a satisfied customer base of more than 10 lakh, Nexus Solar Energy stands as a symbol of trust, reliability, and excellence.

OUR VISION

"PRODUCE GREEN TO LIVE GREEN"



OUR MISSION

Nexus Solar Energy Pvt Ltd is a leading solar energy company in India, with a wide range of high-quality solar products and services. With a vision to be the preferred customer-centric energy solution provider. We focus on delivering exceptional customer service by understanding the unique energy needs of the customer and providing them tailored solutions.

At NEXUS SOLAR ENERGY our mission is to provide innovative, reliable, and sustainable solar energy solutions that empower individuals, businesses, and communities to reduce their carbon footprint, lower energy costs, and contribute to a cleaner, greener planet.

We strive to lead the transition to renewable energy through cutting-edge technology, exceptional customer service, and a commitment to environmental stewardship.

Our mission is to provide the solar at every home roof till 2030 in our Nation.

WHY

NEXUS SOLAR ENERGY

At Nexus Solar Energy Pvt Ltd, our distinction lies in our unwavering commitment to quality. We prioritize stringent quality assurance measures throughout our product development, ensuring that every solar solution we offer meets the highest industry standards. This dedication to excellence sets us apart as a reliable choice for your solar needs.

Nexus Solar Energy contributes to society by providing the best green energy and renewable products with 100% customer satisfaction, which helps in reducing global warming.

Through business benefits, we provide the best plant and infrastructure to the employees for producing the best products; we also provide better mental and financial life to them and their families. Through profits, we fulfill our corporate social responsibility and satisfy shareholders through profit.



QUALITY ASSURED

Quality is the priority of our Methods. From our cutting-edge N-type solar panels to our lithium batteries and innovative solar inverters, each product undergoes rigorous testing to guarantee optimal performance and durability. This focus on quality isn't just a promise; it's a fundamental principle that underscores every aspect of our operations.



TRUST

Trust is the basis of our customer relationships. With over 1 million satisfied customers and a vast network of dealers, Nexus Solar Energy Pvt Ltd has earned the trust and confidence of the industry and the community we serve.



AFTER SALE SERVICE

Trust is the basis of our customer relationships. With over 1 million satisfied customers and a vast network of dealers, Nexus Solar Energy Pvt Ltd has earned the trust and confidence of the industry and the community we serve.



A Credible,
Established Brand



Focus on
Quality



Certified and
Affiliated



Expert Driven
Process

12+ Countries Covered	300+ Innovative Solar Products	100+ Medical Institutions	2% Reduce CO2 Footprint
750+ Cities Covered	20000+ Happy Homes	100+ Corporate Clients	 Energy Efficient Rating

ACCREDITATIONS & CERTIFICATIONS



Renewable
Energy India

OUR OFFERINGS

Nexus Solar Energy, we use proven methods for solar Solutions that guarantee both quality and cost-effectiveness.

We have dedicated 210 W to 10 MW rooftop Off-grid and Hybrid solar solutions for all applications.



SOLAR SUPER MPPT OFF – GRID INVERTER



Nexus Solar Energy 3Kw-24V INNO 8G, a cutting-edge solar power solution designed to revolutionize your energy consumption. This innovative the solar system seamlessly combines advanced technology with efficiency, bringing sustainable power to your fingertips.

FEATURES:

- LCD Display with Intelligent modes.
- Preference optimisation between solar & grid power.
- Pure Sine-wave output, True MPPT & PWM enabled.
- Power-factor 1, Inbuilt Wi-Fi Monitoring.
- Pure sine wave inverter with 93% peak efficiency.
- Works with or without batteries.
- Built-in wide range single MPPT solar charge controller.
- Light weight with slim design.
- Double surge power capacity.
- Auto restart function and cold start functions.

RANGE

NEXUS SOLAR ENERGY provides the solar inverter in multiple product category like as MMPT inverter, Off Grid Inverter, Hybrid Inverter, Double MPPT, PMW, Single phase and Three Phase Inverter.

We use advanced MPPT technology in our Solar PCU that can simultaneously run the load and charge the battery.

The products range will start form 1KW to 100 KW.

This product range will be applicable at the same on the range in solar inverter, MMPT inverter, Off Grid Inverter, Hybrid Inverter, Double MPPT, PMW, Single phase and Three Phase Inverter.

Our Hybrid product are Wi-Fi inbuilt so that easy to access from anywhere.

Our Solar PCU is designed to maximize to use of solar power.

SOLAR HYBRID INVERTER

Hybrid MPPT Lithium PCU (Power Conditioning Unit) is an intelligent and versatile power management solution that seamlessly integrates cutting-edge technology to provide reliable and efficient power for a variety of applications.

This Hybrid PCU is designed to optimize energy usage, combining the benefits of solar power, advanced Lithium batteries, and traditional grid power.



FEATURES

Offers uninterrupted power with the aid of storage batteries connected to the inverter
Low maintenance and upkeep due to its flexibility of application and resilience
Built in with a high-efficiency charge controller for enhanced output
Functions both in stand-alone & grid interactive working modes yielding great performance.

The INNO 8G Hybrid Inverter is equipped to harness energy from both solar panels and traditional grid sources.

This hybrid functionality optimizes energy usage and reduces reliance on conventional power, resulting in cost savings and environmental benefits.

The Maximum Power Point Tracking (MPPT) technology maximizes the efficiency of solar energy conversion, ensuring that the inverter extracts the highest possible power output from solar panels under varying environmental conditions.

48V DC Input: The 48V DC input provides compatibility with a range of battery systems, allowing users to store excess energy for use during periods of low sunlight or power outages.

SOLAR TUBULAR BATTERY



The Devsol TUBULAR Battery is a high capacity, deep-cycle battery designed specifically for solar energy storage applications.

With its advanced features and robust build, this solar battery offers reliable and efficient power storage for both residential and commercial solar power systems.

FEATURES

AH efficiency is greater than 90%,WH efficiency is greater than 80%.

Designed to function in a partial state of transition.

Ensures excellent quality and readiness for use with low upkeep

Tubular Technology is used in the manufacturing process, ensuring dependable and consistent results

Boasting an impressive more capacity, this solar battery provides substantial energy storage, ensuring a reliable power supply during periods of low or no sunlight.

Engineered with a deep-cycle design, the battery is optimized for frequent charge and discharge cycles, making it well-suited for solar applications where daily energy fluctuations are common.

The C10 rating signifies the battery's capacity when discharged over a 10-hour period, providing a standard measure for understanding its performance characteristics and compatibility with various applications.

SOLAR AIR CONDITIONER



Solar Air Conditioners are the new solar cooling technology which is not only energy efficient but also cost effective particularly in homes, it is the only way to keep your electricity costs down without sacrificing your comfort.

Solar AC is a system that uses the power of the Sun to assist a high efficiency Compressor to reduce energy use.

As we know the now a day's AC is the only main appliance that consumes high power thus the Solar PV needs a special attention

FEATURES

AI Technology

Easy Installation

Silent Operation

Low Maintenance

Sleek Design

Smart Connectivity

Air Purification System

Energy-Efficient Cooling

MONO PERC

BIF HC

1.

12V

2.

24V

3.

48V

210 W

555 W

575 W

580 w

**580 W
M-10**

M-10

**E- RICKSHAW
PANEL**

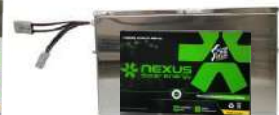
FEATURES

- High Power Output.
- Mono PERC Technology.
- Half Cut Cell Design.
- Bifacial Technology.
- Bifacial Boost.
- Durability and Reliability.
- Easy Installation.
- Affordable price.
- Sustainable Energy Solution.
- 30 Years Warranty*



6

SOLAR LITHIUM BATTERY (12.8V – 700V)



INTRODUCING THE NEXUS LITHIUM SOLAR BATTERY

A game-changer in sustainable energy storage with a remarkable 15-year warranty, this cutting-edge battery ensures reliable, high-capacity power for residential and commercial solar installations.

Experience efficiency, longevity, and eco-friendliness in a compact design.

Elevate your solar power system with the Nexus paving the way for a greener, more reliable energy future.

FEATURES

15-Year Warranty.
Efficient Energy Storage.
High Capacity.
Environmentally Friendly.
Smart Energy Management.
Compact and Space-Efficient.
LCD Screen.
Light Weight.
Compact and Space-Efficient.

SPECIFICATIONS

Overcharge Protection.
Short Circuit Protection.
Thermal Protection
A cycle is one full charge and discharge.
Indicates how much charge a battery can store.
Lithium Iron Phosphate Battery (LiFePO4 - LFP)

WHY LITHIUM BATTERY IS BEST?



Lithium battery

Lead acid battery



Difference Between Lithium Battery vs Lead- Acid Batteries		
Description	Lithium Battery	Lead-Acid
 Zero-Maintenance	 No need of distilled water	 Need of distilled water Top-up once in 3 months
 Fast Charging	 Charging takes Upto 5 Hours to complete	 Charging takes Upto 12 hours to complete
 Long Life	 More Than 10 Years	 3-5 Years Life
 Pollution Free	 Non Polluting	 Harmful to the Environment
 Portable Power	 8 Kgs Battery weight	 Approx 40Kgs-65Kgs battery weight

SOLAR MASTER

Interest in renewable energy has increased over the past few Years due to solar Power becoming more cost effective and eco-friendly. This is a solar inverter which allows power to be switched from the DC Power. Range up to 25kw



FEATURES

Built-in MPPT Solar Charger.

Supports single-Phase asynchronous motor or three-phase asynchronous motor. Built-in full protection and self-diagnosis.

soft start function prevents water hammer effect and extends system lifecycle. Comprehensive LCD and LEDs Display real-time system status. Remote Monitoring through RS-485.

Supports shingle-Phase AC input. When PV Energy is not sufficient, the inverters will automatically switch to AC inputs.

Optional remote panel is available.

SOLAR ELECTRIC SCOOTY



Electric scooters are two-wheeled vehicles powered by electric motors instead of traditional internal combustion engines.

They have gained popularity due to their eco-friendliness, cost-efficiency, and convenience, especially for short urban commutes.

An electric scooter refers to a futuristic design or prototype of an electric scooter that showcases new technology, innovative features, or unique designs that aren't yet widely available in production models.

These vehicles often serve as previews of potential future developments in the electric mobility sector. Here are some key aspects that could be included in a concept electric scooter:

FEATURES

(3 models)

Lithium Battery and Fast Charging.
Eco-Friendly
Low Maintenance:

There's no need for oil changes or complicated engine maintenance.

Low Cost:

Electric power is cheaper than fuel, and maintenance costs are lower.

Speed and Range:

Electric scooters can typically reach speeds of 25 to 70 km/h, depending on the model.

Higher-end models may offer better speed and longer range, but they tend to be pricier.



EV CHARGING STATION

EV charging station is a facility where electric vehicles (EVs) can recharge their batteries. These stations vary in type, including Level 1 (standard household outlets), Level 2 (faster charging for home or public use), and DC fast chargers (rapid charging for quick stops). Charging stations are typically located in public areas, such as shopping centers, parking garages, and highways, to provide convenient access for EV owners. Users connect their vehicles to the station using a charging cable, and charging time can range from a few minutes to several hours, depending on the charger type and vehicle capacity.



The time it takes to charge using each of these three options depends on your drive and the size of the battery.

FEATURES

Environmental Impact: They promote the use of electric vehicles, reducing greenhouse gas emissions and air pollution.

Convenience: Charging stations are often strategically located, making it easy for EV owners to recharge while shopping or dining.

Cost Savings: Charging an EV can be cheaper than gasoline, especially with home charging options.

Energy Independence: Increased use of electric vehicles can reduce reliance on fossil fuels.

Support for Renewable Energy: Many charging stations can be powered by renewable energy sources, enhancing sustainability.

Economic Growth: The installation of charging stations can create jobs and stimulate local economies.

Increased EV Adoption: More charging infrastructure encourages consumers to switch to electric vehicles.

RESIDENTIAL



COMMERCIAL



On grid solar
system

DEV SOL
Energy

Off grid solar
system

Hybrid solar
system

NEXUS SOLAR ENERGY OFFERINGS:

NEXUS SOLAR ENERGY PVT LTD.

Residential

Off grid

Hybrid

Commercial

Off grid

Hybrid

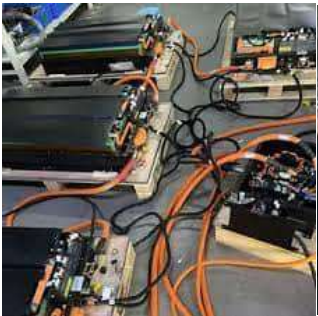
HCL



**24/7
NEWS**



RESEARCH & DEVELOPMENT



COMING SOON





NEXUS SOLAR ENERGY PVT. LTD.

DESH KI TECHNOLOGY



COMPANY DIRECTORS

Deepak Chaudhary is the founder of Nexus Solar Energy Pvt Ltd, a leading solar energy company in India. Chaudhary co-founded the company in 2019 with Vijay Pal Singh



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