



NRTC
Energies

Company **PROFILE**

**GREEN AND AFFORDABLE LIVING
WITH PREMIUM SOLAR ENERGY SOLUTIONS**

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Who We Are?

At NRTC Energies, we're leading the charge toward a brighter, greener future. Born from NRTC's decades of expertise in security and telecommunications, we saw Pakistan's energy crisis as an opportunity to make a real difference.

With a mission to promote sustainable energy, we provide tailored solar solutions for residential, commercial, industrial, and agricultural needs. Our high-performance on-grid, off-grid, and hybrid systems use top-tier inverters and panels from trusted global brands.

By choosing NRTC Energies, you're not just going solar, you're joining a movement toward a sustainable, energy-efficient future.

A Sustainable Pakistan Starts with You.



1000+
SATISFIED CUSTOMERS

200MW+
INSTALLED

CEO Message



At NRTC Energies, we've seen Pakistan's energy landscape evolve. With the solar market set to grow from 1.41 gigawatts in 2024 to 9.53 gigawatts by 2029, renewable energy is no longer optional but essential. We're proud to lead this shift with reliable, efficient, and sustainable solar solutions.

In today's evolving energy landscape, reliability and efficiency are non-negotiable. We recognized a gap in the market; solar solutions that not only deliver power but also long-term value. That's where NRTC Energies comes in.

Over the years, we have transformed NRTC Energies into a trusted name in the industry, ensuring that every solution we provide is backed by cutting-edge technology, precision, and unmatched service. Every installation is a commitment to clean energy and our customers' trust in us. Beyond installations, we've built a culture of unwavering after-sales support, ensuring our clients experience the full potential of their investment. It is because true innovation isn't just about adopting technology, it's about sustaining its impact for years to come.

This is more than business for us; it's about reducing dependence on fossil fuels and driving Pakistan toward energy independence.

CEO NRTC Energies

Clean and Green for Sustainable Living



Mission

"We provide innovative solar solutions that empower our customers to embrace clean energy reduce their environmental footprint and contribute to a more sustainable planet."

"We do this by fostering a culture of innovation, sustainability, and excellence while valuing our employees' well-being and growth."

Vision

To be a global leader in the solar industry, driving the transition to clean, renewable energy and a sustainable future for all.



Core Values

INTEGRITY:

We prioritize honesty and transparency, ensuring fair advice and the best solutions for our clients.



INNOVATION:

We embrace cutting-edge technology to stay ahead in the renewable energy sector.



RELIABILITY:

We deliver dependable, long lasting solutions with consistent after-sales support.



SUSTAINABILITY:

We are committed to clean, renewable energy that reduces carbon footprints and fosters a sustainable future.



CUSTOMER CENTRICITY:

We focus on understanding each client's needs, delivering tailored solutions that exceed expectations.



Certifications



Our Expertise



Residential Solar Solutions

Reduce your energy bills and enjoy a reliable power supply with NRTC Energies advanced solar solutions, designed for long-term savings and sustainability.



Commercial Solar Solutions

NRTC Energies offers solar solutions for businesses of all sizes, driving operational efficiency and sustainability while slashing energy expenses.



Agricultural Solar Solutions

Our solar systems help farmers reduce energy costs and improve productivity, supporting irrigation, cooling, and farming for a more sustainable future.



Industrial Solar Solutions

NRTC Energies delivers solar solutions that power your machinery, lighting, and production, cutting costs while boosting sustainability and efficiency.

How We Operate?

NRTC Energies ensure a smooth, hassle-free process from start to finish. From personalized consultations and detailed surveys to expert installation and ongoing support, we deliver reliable, high-quality solar solutions tailored to your needs. Your transition to solar is in safe hands with us.

1

Initial Consultation

We begin with a comprehensive consultation to understand your energy needs, preferences, and goals. Our experts assess your current energy consumption and provide personalized recommendations for the most efficient and cost-effective solar system.

2

Detailed Survey and Design

Our engineers conduct a detailed on-site survey, assessing factors like roof condition, energy needs, and optimal system design. This ensures a custom solar solution that maximizes efficiency and performance for your location.

3

Contract Finalization

Following the survey, we finalize the contract, reviewing all terms, costs, timelines, and warranties. We ensure full transparency and mutual agreement on the project scope and deliverables.

4

Procurement & Delivery

We procure high-quality components from top-tier brands, ensuring reliability and performance. Timely delivery of all materials is coordinated to ensure smooth and efficient installation.

5

Civil Works Execution

We prepare the site by performing any necessary civil work, such as roof reinforcement or foundation installation. This step ensures your system is securely mounted and capable of supporting the solar components.

How We Operate?

6

System Installation

Our technicians install the solar system according to a precise schedule, ensuring proper setup and integration with your existing electrical system. We focus on safety, performance, and long-term reliability.

7

Final Inspection & Quality Check

After installation, we conduct a thorough inspection and testing process to ensure the system is functioning optimally. All connections, safety measures, and performance outputs are checked and verified.

8

Net Metering Setup

We integrate the solar system with the grid, setting up net metering to allow excess energy to be fed back. This helps optimize energy savings and generates credits for the energy produced.

9

Project Completion

Once installation and net metering are complete, we provide a final handover, including system documentation, warranties, and training. Ongoing support is available to ensure long-term system efficiency and performance.

Our Solutions

At NRTC Energies, we provide a comprehensive range of solar energy solutions to meet the diverse needs of our clients. Each solution is tailored to deliver maximum efficiency, cost savings, and reliability based on specific applications. Here's a quick overview of the three types of solar solutions we offer:



On-Grid Solar Solution

On-grid systems are directly connected to the utility grid, allowing you to use solar energy during the day and draw power from the grid when needed. Excess solar energy is sent back to the grid, often credited through net metering.



Hybrid Solar Solution

Hybrid systems combine solar panels, battery storage, and grid connectivity to provide uninterrupted power. Excess solar energy is stored in batteries for use during power outages or at night, while maintaining a connection to the grid for additional flexibility.



Off-Grid Solar Solution

Off-grid systems operate independently from the grid, relying entirely on solar panels and battery storage. These systems are ideal for areas with no access to grid electricity, ensuring full energy self-sufficiency.

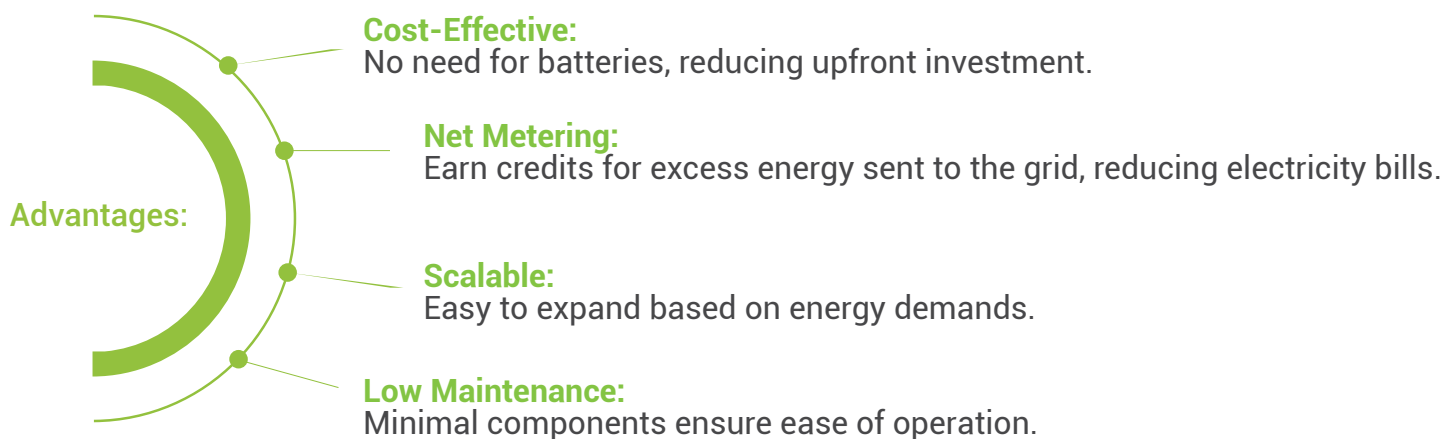


On-Grid Solar Solution

On-grid solar systems are connected directly to the utility grid, allowing seamless integration of solar power into existing infrastructure. These systems are designed to maximize solar energy utilization during the day while drawing power from the grid at night or during low solar produc-

How It Works:

- Solar panels generate electricity during the day.
- Electricity is used for immediate consumption, and excess energy is exported to the grid.
- When solar production is insufficient, energy is drawn from the grid.

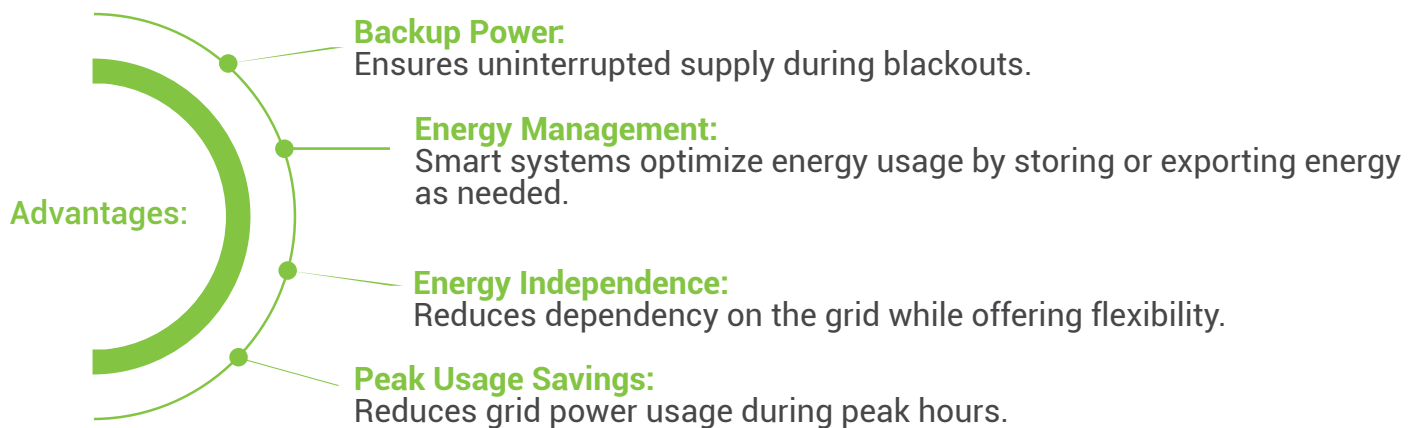


Hybrid Solar Solution

Hybrid systems combine the benefits of on-grid and off-grid solutions by incorporating battery storage. These systems store excess solar energy for later use while maintaining grid connectivity for additional power needs.

How It Works:

- Solar panels supply energy to appliances and charge batteries during the day.
- Batteries provide power during outages or at night.
- Excess energy can be sent to the grid for credits through net metering.

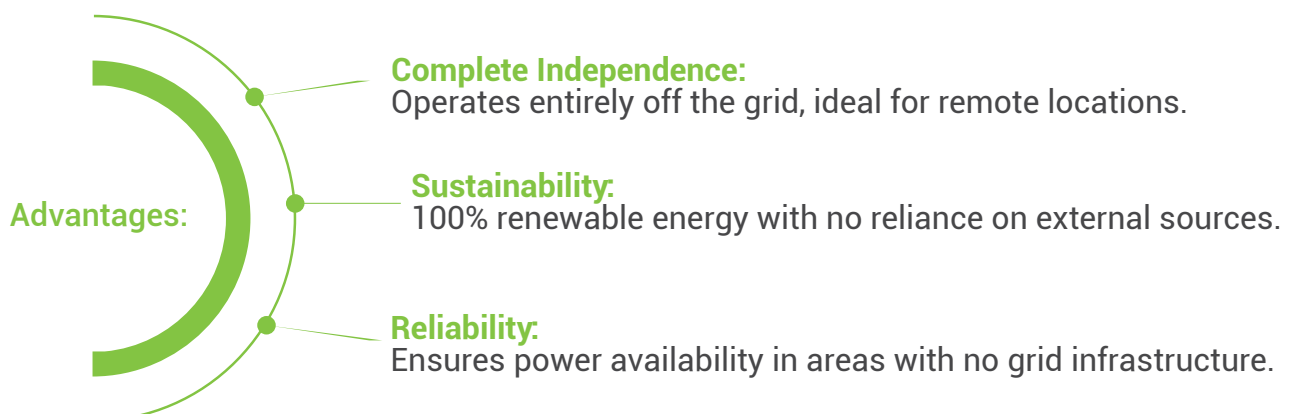
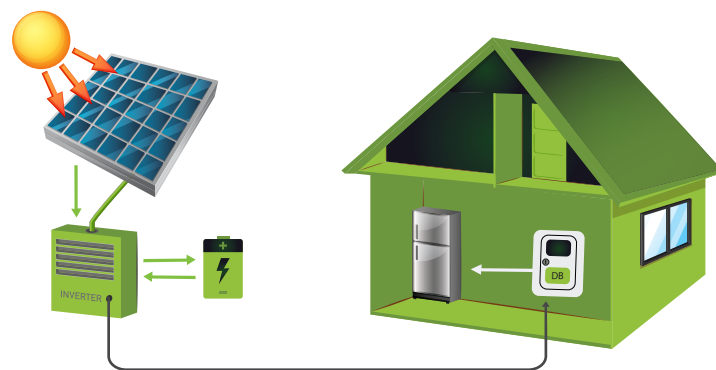


Off-Grid Solar Solution

Off-grid solar systems are entirely independent of the utility grid, relying solely on solar energy and battery storage to meet energy needs. These systems are ideal for remote locations or areas with no grid access.

How It Works:

- Solar panels generate electricity and charge batteries during the day.
- Batteries store energy for nighttime or cloudy days.
- A backup generator can be included for additional reliability.



Clientele Committed to Sustainability



Haier



Our Valued Partners

HIKVISION



SUNGROW

Haier

PHILIPS



GRIDWATT

Jinko^{Solar}

LONGi Solar



Trina solar

JA SOLAR



Schneider
Electric



Narada



CHINT

Life at NRTC Energies

At NRTC Energies, we believe in the power of innovation and teamwork to shape a sustainable future. As part of our team, you'll be working at the forefront of the renewable energy industry, where your ideas and expertise can change the world. We foster a culture of continuous learning and growth, encouraging every individual to challenge themselves and push boundaries. If you're ready to make a real difference while being part of a company that's powering the future, NRTC Energies is where you belong.



Our Projects



Main Latif Paper Mill
Capacity: 5 MW



Dona International
Capacity: 195 kW



Frontier Corps
Capacity: 1.5MW



Haier Pakistan
Capacity: 300 kW



Karachi Tool Plazas
Capacity: 257 kW



Main Latif Paper Mills
Capacity: 5 MW



DHA Multan
Capacity: 3 MW



Romanza Golf Club DHA Multan
Capacity: 1 MW



Romanza Golf & Country Club
Capacity: 1 MW



Renew, Recharge, & Reshape the Future.

Get in touch today to explore how our solar solutions can power a sustainable tomorrow.

Local Offices:



Haripur, Islamabad, Rawalpindi, Lahore,
Peshawar, Quetta, Karachi, Multan, Turbat

Intl Offices:



UAE and KSA



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