

DUET POWER

Solar Solution Provider



Residential & Commercial Solar Systems

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A TRUSTED SOLAR SOLUTIONS PROVIDER

Duet Power was founded in India in 2017. After three years of hard work, we have become a leading producer of solar Pump solar Street Light and solar power system.

Today, we have an annual System Installation capacity of 3MW and are listed as one of the top EPC Players in India.



We use High Efficiency solar Module and Inverter for maximum generation for solar power solutions.

We specialize in supplying all the components necessary for solar systems under one roof. We also offer full project implementation services including design, engineering, procurement and construction (EPC).

Our mission statement is: "We catch every sunbeam and make it shine."





PROVIDING COMPLETE SOLUTIONS FOR EVERY HOME AND BUSINESS

Our professional team of trained engineers have experience designing and installing solar power systems around the world. They are committed to making the process as simple and painless as possible.

Feasibility Studies

- Location Analysis
- Shade Study
- Power Transmission Analysis
- Financial Analysis

Project Design

- System Configuration
- Technical Cost Benefit Analysis
- Budgetary Estimates
- Power Output Analysis
- Financial Analysis

Engineering Design

- Solar Module Selection
- Component Selection
- Monitoring and Communication System Design
- Power Grid Transmission Design

Installation

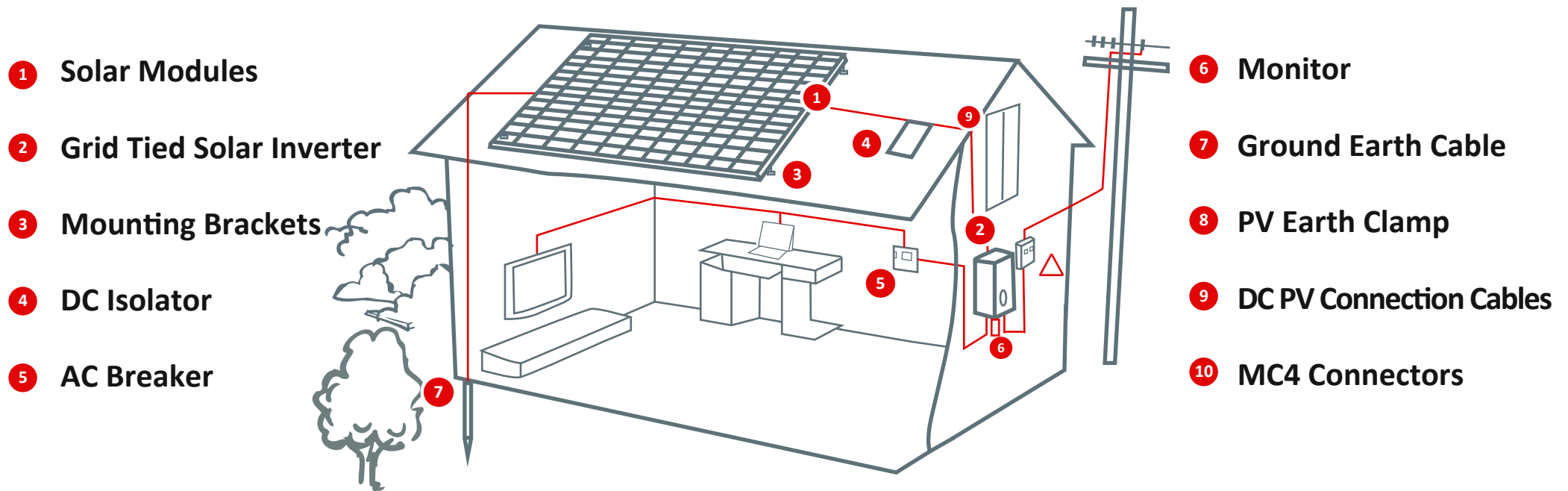
- Site Preparation
- Component Installation and Wiring
- Inspection by Grid Operator and Commissioning

Solutions for Every Home and Business

Our engineers will work closely with you to choose the best system for your home or business's energy needs.



ONE STOP PACKAGE



- Choose a Residential On-Grid Solar System from 500W to 20kW
- Choose a Commercial On Grid Solar System from 20Kw to 1MW
- Build a Solar Power Plant from 1MW to 10MW

- All necessary components including PV modules, inverter, racking system, cables, arrive in one box
- Have your whole system delivered directly to your site for same day installation

REDUCE YOUR BILLS, REDUCE YOUR CARBON

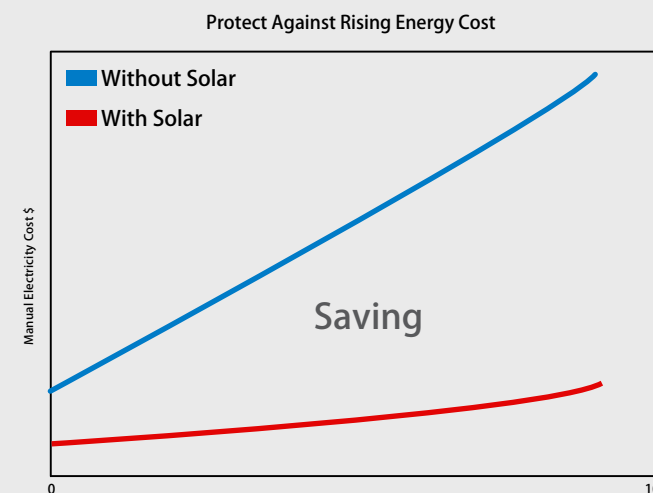
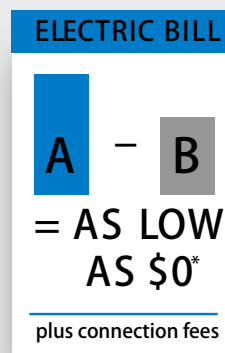
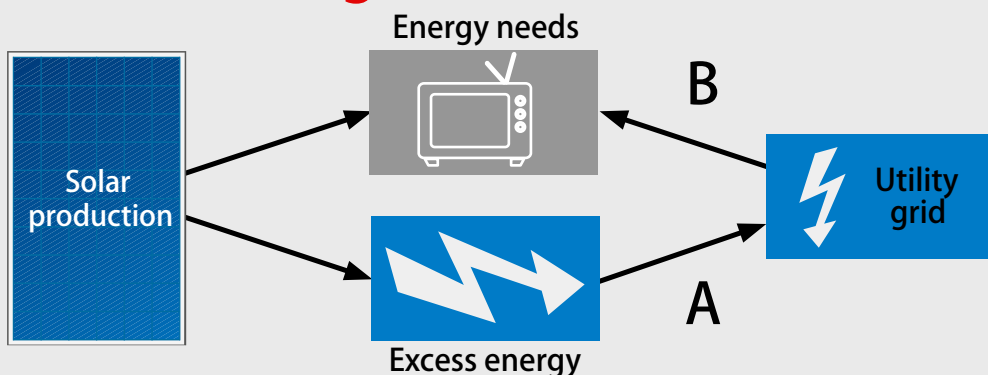
Say goodbye to ever-increasing electricity prices and help reduce your impact on the planet.

- Avoid paying electricity rates that increase every year
- Join the many homeowners that have saved thousands of dollars
- Take advantage of Government incentives that reduce your installation costs
- Increase the value of your home and help it to sell faster and for a higher price
- Help reduce the country's need for non-renewable resources
- Contribute to achieving government-mandated greenhouse gas emission targets

Generous levels of government support have made solar power systems a risk-free investment with very attractive rates of return

- Lower your electricity bills and your carbon footprint
- Sell excess electricity for a net profit

Net Metering



1.Solar PV Modules (Poly ,Mono and Bifacial)

Built to Last

Don't waste your time looking for the most efficient panels on the market. Efficiency is nothing without the security of knowing your panels will last well into the future.

Maximize your return on investment with worry-free performance backed up by a 25 year output guarantee.

- Reduced Size, Higher Output Module
- High Efficiency Poly ,Mono and Bifacial Cells
- 25 Year Minimum Output Guarantee
- 12 Year Warranty on Materials and Workmanship

Built for Quality

We know that our panels will last for decades because we have built quality into every step of their production, from our factory to your roof.

The result is maximum energy output and maximum life span for your solar investment.

- Reduced Size, Higher Output
- High Efficiency Poly ,Mono and Bifacial Module
- 12-year warranty on materials and workmanship 25-year lifetime guarantee



2. Grid Tied Solar Inverter

Your inverter is the second most important component in your system. It converts solar power into electricity that can be used in your home or sold to the power company.

It is the vital link between your solar system and lower electricity bills.

2.1 String & Central Inverter



Tested in Extreme Weather Conditions

- IP65 Anti-Dust and Water-Proof

Pure Sine Wave Output

- THDI<3%
- LVRT

High Efficiency

- Transformerless Operation for Highest Efficiency 98.5% (97.5% Euro efficiency)

Simplified Installation

- Easy Access DC and AC Terminal Block

Edge Technology

- DSP Chip Controlled
- Advanced Double CPU SCM Intelligent Controlling Technology
- Stackable
- Efficient Non-Isolated Topological Structure
- High Overload Capacity under ambient conditions
- Newest Generation IGBTs
- 5th Generation IPM
- High-speed Wide Range MPPT
- Improved Energy Harvesting

Universally Compatible

- Wide Input Voltage and MPPT Tracking Range

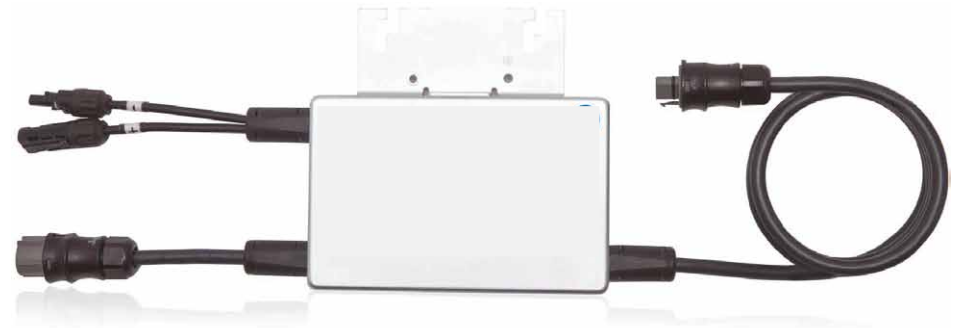
Independently Certified Quality

- Built in DC Isolator, SPD and Configurable String Combiner
- Complies with International Standards

2.2 Micro Giant Inverter

Our Giant Micro Inverters improve system efficiency and reliability. The Giant Micro System includes your Micro Inverters, the MRG Communications Gateway and software to remotely monitor your system.

- Maximum power production
- Resilient to dust, debris and shading
- MPPT efficiency greater than 99.5%
- No single point of system failure
- Simplifies system design and installation
- Individual performance monitoring for each panel
- Low DC input voltage, resulting in safe installation



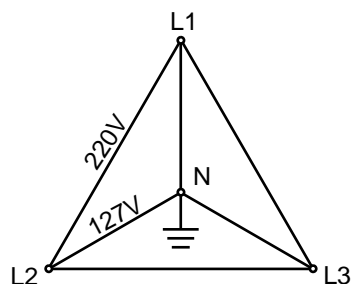
Connects to ANY Type of Grid

We offer a full line of inverters from 1kW to 1MW. They are designed for compliance with every type of electrical grid around the world.

50Hz/60Hz

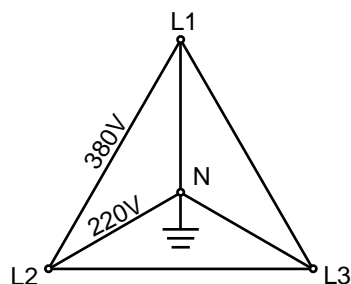
A

1 phase 110/127V WYE 50Hz
3 phases 220/230V WYE 50Hz



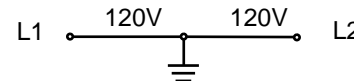
B

1 phase 220/230V WYE 50Hz
3 phases 380/400/415V WYE 50Hz



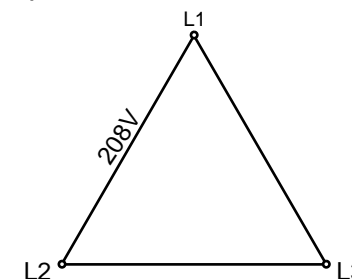
C

240V Split-Phase 60Hz



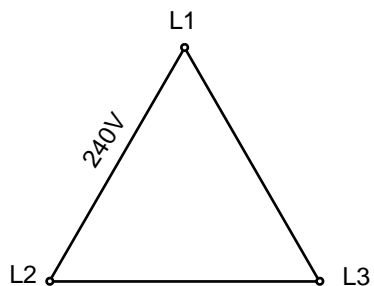
D

3 phases 208V Delta 60Hz



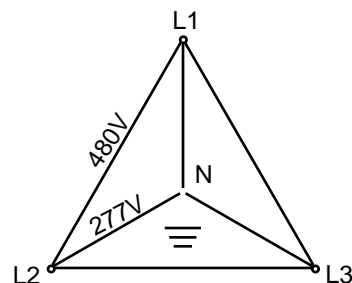
E

3 phases 240V Delta 60Hz



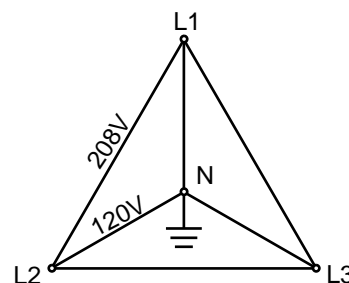
F

1 phase 277V WYE 60Hz
3 phases 480V WYE 60Hz



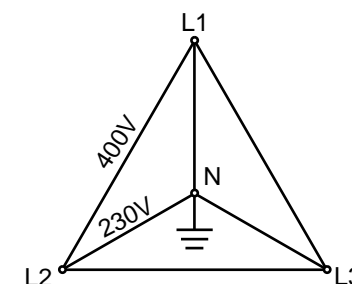
G

1 phase 120V WYE 60Hz
3 phases 208V WYE 60Hz



H

1 phase 230V WYE 60Hz
3 phases 400V WYE 60Hz



3. Easy Mounting System



Rooftop Solar Systems

Most homes and businesses have enough space on their roof to generate all of the power they need.

Unshaded, sloped or flat roofs facing South East or South West are best.

- Can be installed on nearly any roof: sloped or flat
- Tested to withstand extreme weather
- Keeps your home cooler in the Summer and warmer in the Winter
- No Planning Permission Required



Ground Solar Systems

If you need a larger system or have space available in a field or parking lot, a ground mounting may be more suitable.

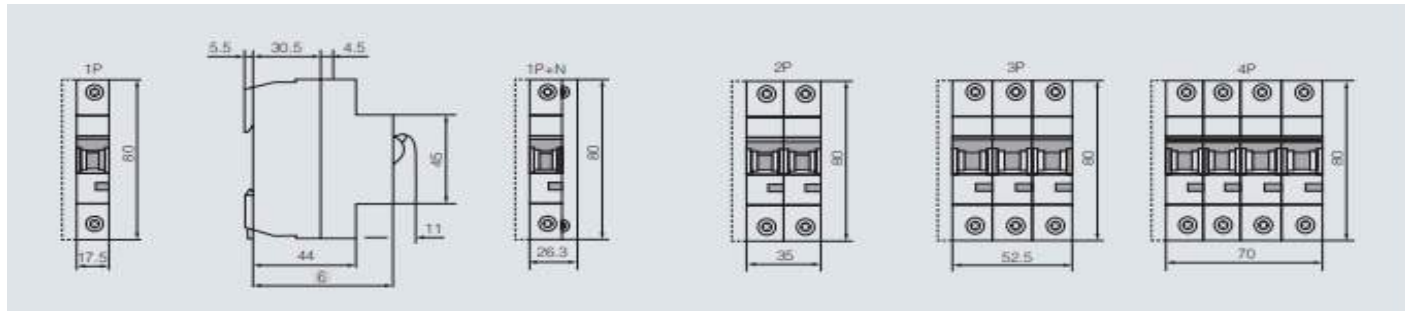
- Anchored to the ground to ensure stability
- Can be installed at a variety of heights and angles
- Can be installed on any ground surface
- Raised car and cycle ports available

4. DC Isolator



- CE Approved
- Can be Secured with a Standard Padlock
- Poles in Series: 2
- Rated Thermal Current: 12A
- Rated Insulation Voltage: 600VDC
- High Speed Switch: 5ms max
- Operation Temperature: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$
- Protection Class IP65

5. AC Switch

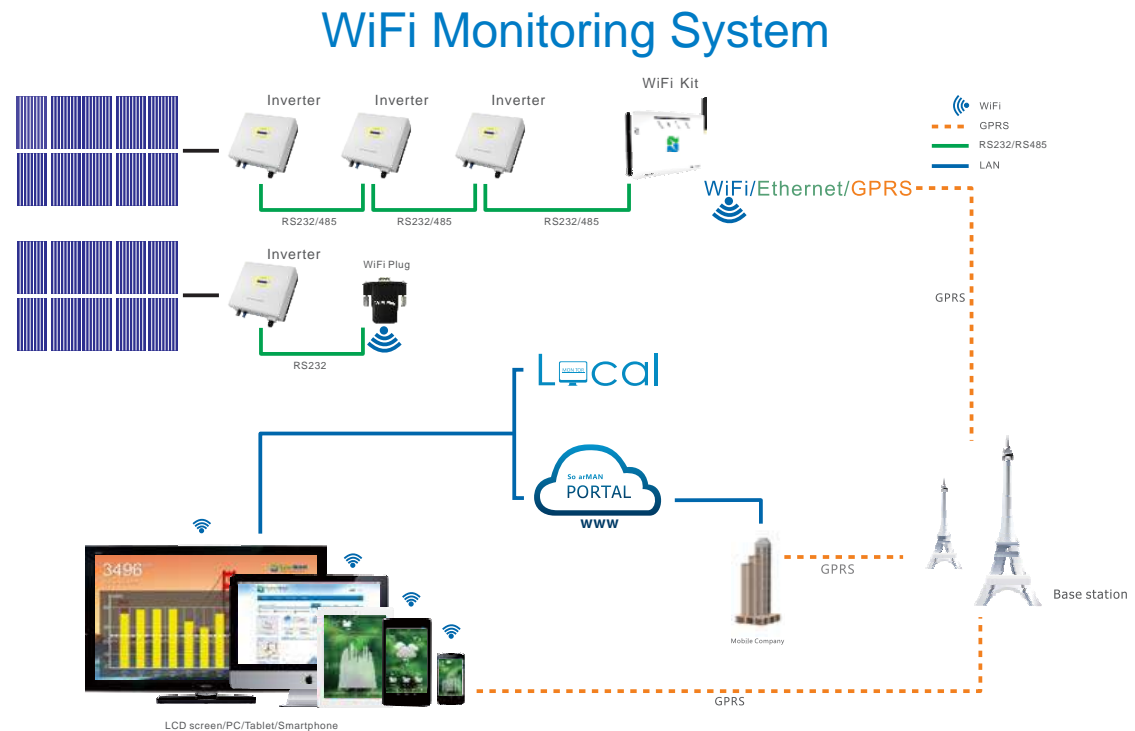


- CE Approved
- Can be Secured With a Padlock
- Poles in Series: 2-4p optional
- Rated Insulation Voltage: 440V-1000VAC
- High Speed Switch: 5ms max
- Operation Temperature: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$

6. Monitor

Our monitoring system uses WiFi to transfer information about your system from your inverter to your PC or mobile phone. Keep track of your output anytime and be alerted of power drops, even when you are away!

- Real-Time Inverter Monitoring
- Grid Monitoring
- Earth Fault Monitoring
- Yield Forecasting
- Alerts Sent To Your Mobile Phone



Function

=

Monitoring
Input and Output Data
Environmental Data

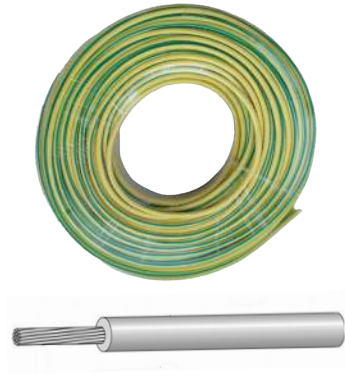
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Analysis
Malfunction Detection
Remote System Optimization
Real-Time Alarm
Data Storage

+

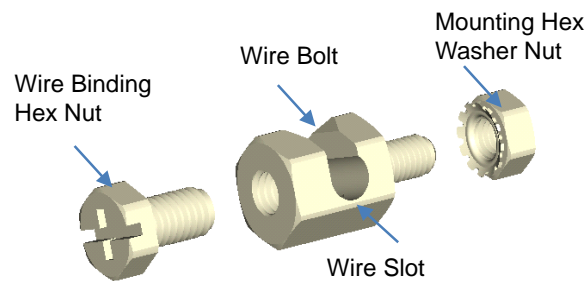
Networking
Solar Leading Portal
Email, SMS, Mobile App
(iOS and Android)

7. Ground Earth Cable

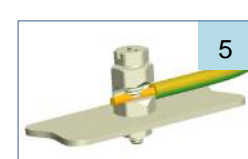
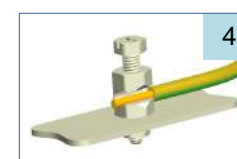
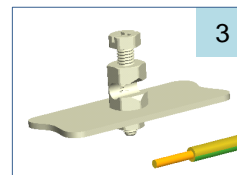
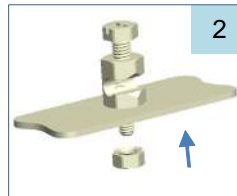
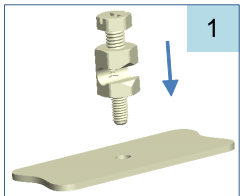


- Conductor: Bare copper
- Insulation: PVC
- Standard: IEC60228 JB8734-1998
- Voltage Rating: DC 2500V, 5min(AC/DC Opt)
- Temperature Range: -20 °C ~+90 °C

8. PV Earth Clamp



- Material: Copper
- Quick and Easy Mounting
- Rugged and Compact Hex Bolt Design
- 25 Year Warranty



9. DC PV Connection Cables



- Temperature Range: -40℃ ~+90℃
- Voltage: 0.6 / 1KV
- TUV, IEC, UL, CE, ROHS Certified

10. MC4 Connectors



- MC4 Compatible
- Insulation Material: PPE
- Waterproof Level: IP67
- Connection Resistance: $\leq 5\text{m}\Omega$
- Terminal Diameter: 4.0mm
- Operation Temperature: -40℃ ~+90℃
- TUV Certified



PROBLEM-FREE INSTALLATION

Since Solar Leading solar systems are guaranteed for at least 10 years of peak power production, proper system design and installation is critical.

Experienced Engineers

Proper system design and installation is crucial for ensuring your system lives up to its full potential. Let our network of certified engineers take the worry out of installing your system wherever you are in the world.

Qualified Contractors

We only partner with certified and experienced installers who are up to date with industry best practices. Our partners are trained in the proper handling and installation of our products and treat them with the same care that we would.

Superior Solar Installation

Our installation partners uphold our own professional business practices and are happy to provide references from previous satisfied customers. You can trust them to respect your property and install a system that lasts.



SUCCESSFUL PROJECTS

Residential



Residential 5 kwp
Ghaziabad

Mr Rakesh Sharma:
“We are very glad we chose Duet Power's
installation and maintenance service.”



School - 10 Kwp
Location: Delhi



WareHouse - 25 Kwp
Location: Varanasi



System Type: 250Kwp

Location: Lucknow

Type: Hospital

We installed this system in 2019. It now generates up to 33750KWh per month. That's enough to power all of the lighting and equipment and reduce the electricity bill by up to 2,50,000.00 Rupees per month.

Duet Power is proud to have supplied a full EPC service for this project, including planning, design, and on-site construction.

Find out more

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To a better future

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