



Bits N Bytes Solar™

Smart Solar Solutions for a **Cleaner, Greener** Future.

UNIT OF AJDR BITSNBYTES INDIA PRIVATE LIMITED

POWERING TODAY. SUSTAINING TOMORROW.

Solar Energy Solutions Brochure

End-to-end solar EPC solutions for homes, businesses, institutions, and industrial facilities – designed for maximum performance, reliability, and long-term value.



On-Grid



Off-Grid



Hybrid



Solar EPC



Net Metering



Service & Maintenance



Executive Summary

Bits N Bytes Solar™ delivers reliable, efficient, and future-ready solar energy solutions from consultation and design to installation, commissioning, and long-term support.



Clean Energy

Generate clean power and reduce your carbon footprint.



Cost Savings

Lower electricity bills and high return on investment.



Reliable & Safe

High-quality systems with advanced safety and durability.



Sustainable Future

Contribute to a greener planet for future generations.



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WHO WE ARE

Your Trusted Solar Energy Partner

Bits N Bytes Solar™ is a reliable solar EPC company delivering complete solar energy solutions for homes, businesses, industries, and institutions. From concept to commissioning, we design, engineer, supply, install, and maintain high-performance solar power systems that save energy, reduce costs, and build a cleaner, sustainable future.



01 About Us

We are a solar EPC company with a proven track record of delivering quality solar projects across residential, commercial, industrial and institutional sectors.



02 Our Vision

To be a leading solar energy solutions provider known for innovation, reliability and commitment to a sustainable planet.



03 Our Mission

To make clean solar energy accessible and affordable through technology, excellence and customer-centric solutions.



04 Why Choose Us

- ✓ End-to-End EPC Solutions
- ✓ Customized Design & Engineering
- ✓ High-Quality Components
- ✓ Expert Installation & Commissioning
- ✓ Timely Service & Maintenance
- ✓ Long-Term Performance & Support

We Serve Across All Key Sectors



Residential



Commercial



Industrial



Institutional



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OUR SOLAR SOLUTIONS

We deliver end-to-end solar solutions designed for homes, businesses, industries and institutions. From consultation and system design to installation, commissioning and long-term support – we ensure maximum efficiency, savings and reliability.



01 On-Grid Solar Systems

Grid-connected systems that reduce electricity bills and deliver clean, renewable energy.



02 Off-Grid Solar Systems

Independent solar solutions with battery storage for uninterrupted power in remote areas.



03 Hybrid Solar Systems

Smart systems that combine solar, battery and grid power for maximum reliability and savings.



04 Solar EPC Projects

End-to-end Engineering, Procurement & Construction for residential, commercial and industrial projects.



05 Net Metering Assistance

Complete support for net metering approvals and subsidy documentation to maximize benefits.



06 Solar Maintenance & AMC

Preventive maintenance, inspections and annual maintenance contracts for consistent performance.



07 Monitoring & Performance Support

Real-time monitoring, analytics and performance reports to ensure optimal energy generation.



08 Custom Solar Solutions

Tailored solar solutions designed to match your energy needs, space and budget.



We are committed to delivering high-quality, safe, and reliable solar solutions that create value, protect the environment, and power a sustainable future.



Consultation



Design



Installation



Commissioning



Support



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ON-GRID SOLAR SOLUTIONS

On-grid solar systems are connected to the utility grid, allowing you to use solar power during the day and draw electricity from the grid when needed. Excess power is sent to the grid through net metering, helping you earn credits and reduce your electricity bills.



Cost Savings

Lower electricity bills and long-term savings.



Efficient Generation

High performance and reliable output.



Easy Maintenance

Minimal upkeep and maximum reliability.



Clean Energy

Reduce carbon footprint and go green.

01



Grid-Connected Operation

Seamlessly connected to the utility grid for continuous power supply and stability.

02



Lower Electricity Bills

Generate your own electricity and significantly reduce your monthly energy costs.

03



Net Metering Benefits

Export excess power to the grid and earn credits through net metering.

04



Ideal Applications

Perfect for residential, commercial, institutional and industrial establishments.

05



System Components

High-quality solar panels, grid-tie inverters, mounting structures and net meter integration.

06



Professional Installation

Expert design, installation and testing for safe, efficient and compliant systems.



Reliable performance. Seamless grid integration. Maximum savings.
Powering today. Sustaining tomorrow.



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OFF-GRID SOLAR SOLUTIONS

Reliable power. Anywhere.
Energy independence where the grid doesn't reach.

Our off-grid solar systems deliver clean, dependable power for homes, farms, remote facilities and businesses in locations where utility power is unavailable or unreliable. Designed for durability, efficiency and low maintenance.



01 Independent Power Supply



Generate and use your own electricity without depending on the utility grid.

02 Battery Storage



Store excess solar energy in high-quality batteries for continuous power availability.

03 Suitable Applications



Ideal for rural homes, farms, cabins, remote offices, telecom sites, and island locations.

04 Day & Night Power Support



Solar power by day, battery power by night – 24/7 clean energy you can count on.

05 Typical Components



Solar panels, charge controller, battery bank, inverter, mounting structure and protection devices.

06 Service & Maintenance



End-to-end installation, regular maintenance and system health checks for long-term reliability.

KEY BENEFITS



Energy Independence

Produce your own clean energy and stay self-reliant.



Backup Power

Reliable backup during outages and power interruptions.



Reliable Operation

Stable performance even in extreme conditions.



Remote Area Suitability

Perfect for off-grid and hard-to-reach locations.



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HYBRID SOLAR SOLUTIONS

Uninterrupted Power. Intelligent Energy.

Our hybrid solar solutions combine solar power, battery storage, and grid power to deliver reliable, efficient, and intelligent energy for your home or business.



Smart Energy Management

Intelligent system that automatically optimizes energy flow between solar, battery, and grid to reduce costs and improve efficiency.



Battery Backup

Store excess solar energy and use it when needed. Enjoy uninterrupted power during outages and peak hours.



Grid + Solar Integration

Seamless switching between solar and grid ensures continuous power and maximizes the use of renewable energy.



Essential Load Support

Keep essential appliances running during outages with priority load management and backup.



Monitoring & Controls

Real-time monitoring, remote access and smart alerts for complete visibility and control.



Ideal Use Cases

Perfect for homes, businesses, offices, schools, clinics, factories and remote locations.

The Hybrid Advantage



Smart Backup

Automatic backup for critical loads during power cuts.



Better Utilization

Maximize solar usage and reduce dependence on grid.



Flexible Power

Works with solar, battery and grid in perfect balance.



Future Ready

Scalable, sustainable and built for tomorrow.



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SOLAR EPC PROCESS

Our Solar EPC approach ensures seamless execution from concept to commissioning with quality, safety and long-term value.



- 01**  **Site Survey** | We assess your site conditions, roof area, shading, and electrical infrastructure to understand feasibility and requirements.
- 02**  **Energy Assessment** | We analyze your energy consumption and future needs to recommend the right system size and solution.
- 03**  **System Design** | Our engineers create optimized solar system designs for maximum efficiency, yield and long-term reliability.
- 04**  **Material Selection & Procurement** | We select high-quality, reliable components and manage procurement for performance and durability.
- 05**  **Installation** | Our skilled team ensures safe, standard-compliant installation with minimal disruption.
- 06**  **Testing & Commissioning** | We test the system thoroughly and commission it for optimal performance and safety.
- 07**  **Handover & Support** | We hand over the system with training and documentation and provide ongoing support for smooth operation.





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PRODUCTS & COMPONENTS

High-performance solar products engineered for reliability, efficiency and long-term value.



01 Solar Panels



High-efficiency solar modules with excellent performance and long service life.

02 Inverters



Reliable on-grid, off-grid and hybrid inverters for seamless energy conversion and maximum output.

03 Battery Systems



Advanced lithium and lead-acid battery systems for energy storage and backup power.

04 Mounting Structures



Durable and corrosion-resistant mounting structures for ground, rooftop and custom installations.

05 AC/DC Protection Panels



Fully assembled protection panels for AC & DC side safety and system reliability.

06 Monitoring Systems



Real-time monitoring solutions to track performance, energy generation and system health.

07 Cables & Balance of Systems



Premium quality cables, connectors and accessories for safe and efficient solar installations.



QUALITY

Tested products for consistent reliability.



DURABILITY

Built to withstand harsh environments.



SAFETY

Certified components for maximum safety.



PERFORMANCE

Engineered for maximum output.



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APPLICATIONS, BENEFITS & WHY CHOOSE US

Smart solar solutions for
every need.

01 APPLICATIONS



Residential



Commercial



Industrial



Educational
Institutions



Healthcare



Farms /
Rural Installations

02 KEY BENEFITS



Lower
Energy Cost



Sustainability



Low
Maintenance



Long-Term
Value



Better
Reliability

03 WHY CHOOSE US



Professional
Team



Custom
Design



Quality
Installation



Service
Support



Trusted
Business Approach



From consultation to commissioning and beyond,
we deliver **reliable, efficient** and **future-ready**
solar solutions you can count on.





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LET'S BUILD A CLEANER ENERGY FUTURE

Thank you for trusting Bits N Bytes Solar™ as your partner in clean energy. We deliver reliable, efficient, and sustainable **solar solutions** tailored to your needs.

From consultation, site survey, and customized proposal to installation, commissioning, and long-term support — we're with you at every step.

GET IN TOUCH



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