EXPO ENERGY SOLUTIONS

Empowering the Global Transition to Resilient, Clean Power

Office: 1020, 10th Floor, Gaur City Office Spaces, Sector-4, Greater Noida, Uttar Pradesh-201318 | expoenergy.in

1. Corporate Capabilities & EPC Services

Expo Energy is a premier tier-one engineering, procurement, and construction (EPC) enterprise specializing in high-performance solar photovoltaic systems, utility & industrial battery energy storage (BESS), smart microgrids, and electric vehicle charging infrastructure. With over 350+ MW installed across industrial, commercial, and utility sectors, we deliver guaranteed performance ratios and maximum ROI.

2. Core Products & Engineering Solutions

* **Commercial & Industrial Solar Photovoltaic Systems**
  Custom engineered rooftop, carport, and ground-mount arrays utilizing Tier-1 N-Type TOPCon bifacial modules with 22.8%+ efficiency. 25-year linear power warranty.

* **Battery Energy Storage Systems (BESS)**
  Utility-scale containerized LiFePO4 battery solutions (500 kWh to 50 MWh) equipped with smart liquid cooling, aerosol fire suppression, and automated peak-shaving dispatch.

* **Fleet & Public EV Fast Charging Infrastructure**
  Dynamic load-managed Level-2 (19.2 kW) and DC Ultra-Fast Chargers (180 kW - 360 kW) with cloud telemetry, payment processing, and direct solar canopy integration.

* **Smart Microgrids & Islandable Hybrid Controllers**
  Autonomous microgrid controllers integrating solar PV, battery storage, and clean generator backup with sub-10ms seamless transfer and zero blackout risk.

* **Other Products: Solar Water Pumping & Smart IoT Monitoring**
  Off-grid VFD solar water pumps for agriculture, intelligent IoT weather stations, and predictive AI anomaly detection software.

3. Certifications & Quality Guarantees

All equipment and installations adhere strictly to international standards: IEC 61215, IEC 61730, UL 1741-SB, IEEE 1547-2018, and ISO 9001/14001/45001. We back every project with an all-inclusive 10-year workmanship guarantee and 24/7 Remote Operations Center (ROC) telemetry.

Ready to decarbonize and secure your energy future?