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INDIA BOOSTS SOLAR MANUFACTURING, BATTERY STORAGE, AND GREEN ENERGY.

India's Solar Manufacturing Push

India's Ministry of Renewable Energy has launched a ₹24,000 crore PLI scheme to boost high-efficiency solar PV module manufacturing. The initiative aims to reduce import dependence, create jobs, strengthen domestic supply chains, and enhance technological self-reliance. This policy positions India as a global hub for solar energy production.

BYD Battery Innovation

IBYD has introduced its new grid-scale Battery Energy Storage System (BESS HOU) featuring 14.5 MWh capacity and 2710 Ah blade battery. Surpassing industry standards of 5–7 MWh, it delivers higher energy density, enabling large-scale storage solutions, and offering a transformative approach for India's clean and sustainable energy future.

RECENT UPDATES:

Solar Manufacturing Boost
India launches ₹24,000 crore PLI scheme to boost solar manufacturing and reduce imports.

Next-Gen Storage
SBYD introduces 14.5 MWh battery system, surpassing industry standards for large-scale storage.

Solar Growth Mandates
Maharashtra leads solar open access growth, while Rajasthan mandates storage for renewable projects.

www.oorjashakti.com info@oorjashakti.com +917900256666

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AI DRIVES EFFICIENCY, STATES PUSH REFORMS, POWERING CLEAN TRANSITION.

AI in Renewable Energy

GArtificial Intelligence is increasingly applied in solar, wind, hydrogen, and battery technologies. By improving efficiency, durability, and predictive performance, AI reduces costs and carbon emissions, accelerating India's energy transition. Such intelligent systems support the nation's long-term strategy to achieve its ambitious Net Zero 2070 goal while promoting sustainable growth.

Maharashtra's Solar Leadership

Maharashtra leads India in solar open access installations in 2025, reporting 240% annual and 161% quarterly growth. Driven by rising grid tariffs and corporate demand, companies are increasingly adopting solar energy. This shift not only reduces electricity costs but also encourages widespread adoption of renewable energy across industries and institutions.

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NET ZERO 2070 VISION STRENGTHENED BY INNOVATION AND POLICY.

Rajasthan's Energy Storage Mandate

Rajasthan Electricity Regulatory Commission proposes that all new renewable projects above 5 MW (except hydro) must include at least 5% energy storage systems. The policy includes new rules for green open access, battery storage, and banking, aiming to improve grid reliability, efficiency, and integration of renewable energy across the state.

Assam Rooftop Solar Tariff

Assam Electricity Regulatory Commission approves a maximum ₹4.37 per unit tariff for rooftop solar projects on government buildings, lower than APDCL's proposed ₹5.42. Based on 16% CUF, this competitive pricing encourages rooftop adoption, reduces public electricity costs, and supports India's broader renewable energy goals while enhancing clean energy penetration.

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