



Vietnam residential solar

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Currently, solar power systems have become very popular in Vietnam. Solar power not only saves you a million, two million, or even tens of millions of electricity bills every month, but also creates a passive income source when the excess electricity can be sold to EVN.

With an investment for this system of about 13-16 million VND/1kWp (depending on the installation location and roof structure), the payback period only takes about 4-5 years.

HANOI: Vietnam's national power grid operator EVN plans to buy excess power generated by solar panels on homes and offices to feed into its own supply, state media reported on Friday.

Deputy Prime Minister Tran Hong Ha has told the Ministry of Industry and Trade to work on a plan to buy the rooftop power, with a proposed offtake volume of up to 10 per cent, online news provider VnExpress reported, citing a ministry statement.

Vietnam aims to have half of its office buildings and homes powered by rooftop solar panels by 2030, under a master power development plan approved by the government in May last year. The country has solar energy potential of up to 963 gigawatts (GW), according to the plan.

In a bid to address the challenges faced by the electricity supply in the coming years, Deputy Prime Minister Tran Hong Ha has signed Directive No. 20/CT-TTg, focusing on strengthening electricity-saving initiatives in Vietnam for the period of 2023-2025 and beyond.

The directive outlines several key objectives, including an annual target of at least 2% electricity consumption reduction nationwide. It also aims to decrease power loss within the entire power system to less than 6% by 2025 and reduce the peak load capacity by implementing power demand management programs to achieve a capacity reduction of at least 1,500 MW by 2025.

The directive further highlights the goal of achieving self-sufficiency and self-consumption of rooftop solar power for 50% of office buildings and residential houses by 2030. Additionally, by the end of 2025, all street lighting is expected to transition to LED lights.

To ensure the success of these objectives, the Prime Minister emphasizes the need for coordination among ministries, agencies, local authorities, businesses, and associations to develop and implement electricity-saving plans. The involvement of local power companies is crucial to achieving a minimum annual electricity saving target of 5% across various sectors.

Efforts to raise awareness and promote energy-saving practices will be integrated into employee training and



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performance evaluation criteria. Heads of agencies and offices will be held responsible for enforcing energy-saving regulations within their units.

Public lighting systems and outdoor decorative lighting providers are tasked with developing power-saving plans, aiming to save at least 30% of electricity consumption in the 2023-2025 period for lighting activities. Additionally, restaurants, hotels, commercial establishments, office complexes, and apartment buildings are encouraged to reduce outdoor decorative advertising lighting by at least 50% during the evening peak hours.

The Prime Minister also encourages households to install rooftop solar power systems and solar water heating systems. Manufacturing enterprises are urged to participate in voluntary agreements to implement energy-saving solutions, and rooftop solar installations, and receive consultation on energy efficiency.

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