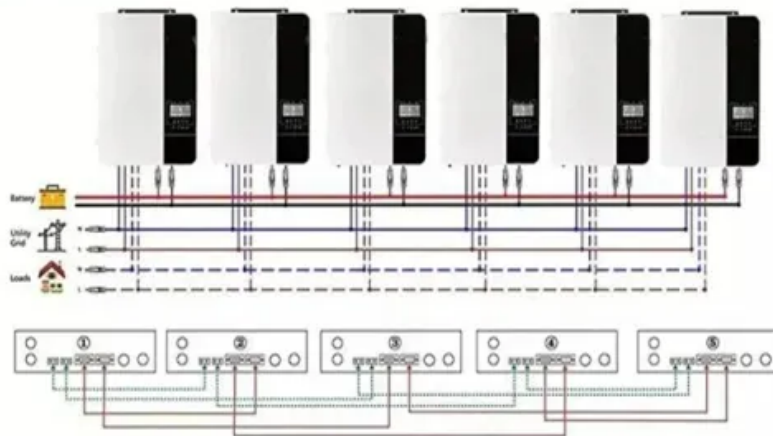


# Armenia Wind Solar Storage and Transmission Project

**Parallel** (Parallel operation up to 6 unit (only with battery connected))



**AC input wires**



**AC output wires**



## Overview

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The project aims to facilitate the integration of an estimated 1.1 GW of renewable energy generation capacity into the transmission grid by 2032, which is enough to power over 690,000 households. – Even with completed interconnections, sudden market shifts like gas price spikes could stress the system. A 25-35 MW-4h BESS offers a cost-effective solution to enhance system resilience. Armenia imports 81% of its primary energy supply and 100% of its fossil and nuclear fuels. These imports stem from Washington, D.C.—The World Bank's Board of Executive Directors approved \$40 million in support of the Enabling the Energy Transition project for Armenia, which will assist the implementation of the Energy Sector Development Strategy to 2040 of the Republic of Armenia. 1 GW, the country's Minister for Territorial Administration and Infrastructure, Davit Khudatyan, has said. The total indicates around 615 MW of solar were added in 2025, when considering the International Renewable Energy Agency (IRENA) reported. Yerevan, the capital of Armenia, is rapidly emerging as a hub for wind energy, solar power, and energy storage solutions. Yerevan, the capital. Armenia's energy mix looks like a recipe for ulcers: Last winter, when temperatures plunged to -15°C, the national grid operator did something unthinkable—they asked citizens to limit Christmas light displays. Cue public outrage and political headaches. Enter battery energy storage systems (BESS).

## Armenia Wind Solar Storage and Transmission Project

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