



Renewable energy expert, Driving the green transition of Moldova. The role of the Law on renewable energy The contribution of the RES-H&C segment to a decarbonised Moldova "CET-Nord" in pursuit of sustainability. Diversification through integration into DHS of renewable energy sources and heat accumulators Naida TASO



Moldova's Energy Minister, Victor Parlicov, says the new regulation will facilitate the authorization of renewable energy capacities, in particular those on the free market and without a support



The auction, aimed at attracting national and international investors, represents Moldova's commitment to diversifying its energy mix by introducing 165 MW of new renewable energy capacity, consisting of 105 MW for wind and 60 ???



electricity generation capacity and promoting energy efficiency and renewable energy. The significant changes the country's energy sector is undergoing, including institutional, market-related and physical development, are part of integration into the European energy market, as Moldova is required to harmonise its energy policy and



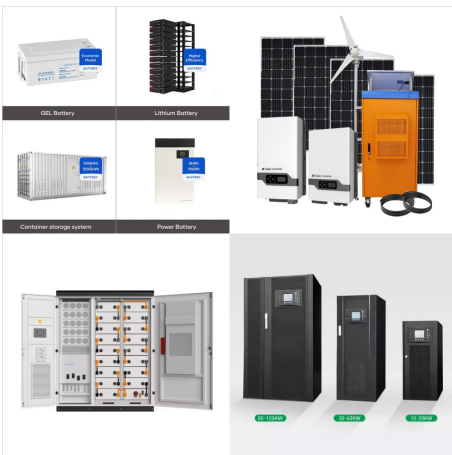
The government plans to diversify the energy mix with renewables such as wind and solar. during which up to half of their energy content is lost. Renewable power sources generate electricity directly from natural forces such as the sun, wind, or the movement of water. Moldova energy profile. Country report ??? April 2020



4 ? How much renewable energy do we have and where do we want to go? Due to consumption structure limitations, renewable energy generation capacities are capped in Moldova. Thus, 105 MW have been allocated for wind energy and 60 MW for photovoltaic, to be commissioned by 2025. In 2023, only 6% of electricity consumption is renewable energy.



Renewable energy systems are playing an important role in the current discourse on energy security and sustainability. Scientific, engineering and economic solutions are adopted, and there is a constant effort to understand mechanisms and options to allow a faster penetration of renewable systems in the current energy mix and energy market.



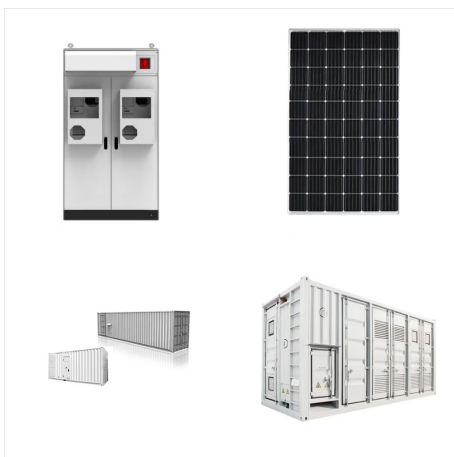
The capacity for Renewable Energy Sources (RES) is gradually increasing, with a focus on wind, solar, biomass, Wind Solar Hydro Biomass Energy, in GWh Technical potential for e-RES - Energy RES contribute approximately 3% to Moldova's electricity consumption, with wind, solar and hydropower being the main sources. Biomass is the most



According to an analysis of technical potential for RE generation (IRENA, 2019), there is in excess of 27 GW of potential renewable generation capacity in Moldova, including 20.9 GW and 4.6 GW of wind and solar potential ???



5 ? Moldova Joins International Solar Alliance: The agreement was signed between External Affairs Minister S Jaishankar and Moldovan Deputy Prime Minister Mihai Popsoi. India is playing a crucial role in shaping the sustainable energy future by providing renewable energy solutions to the world, especially the Global South. Under India's



The Republic of Moldova's renewable energy potential is one of the region's largest. Primary energy supply figures for 2016 reveal that Solar Energy Max. generation capacity 4.65 GW = 6 TWh/-year Sunshine 1950 h/year (North) to 2210 h/year (South)

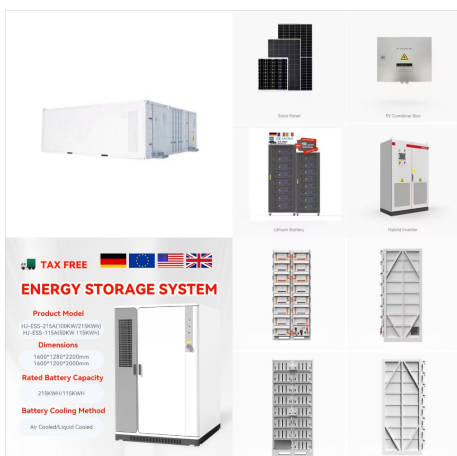


Because Moldova needs to develop its economy without harming the environment, investing in renewable energy is essential for country. Solar thermal energy can increase the competitiveness of the country's industrial sector, while decreasing the greenhouse gas emissions that usually come from producing heat.

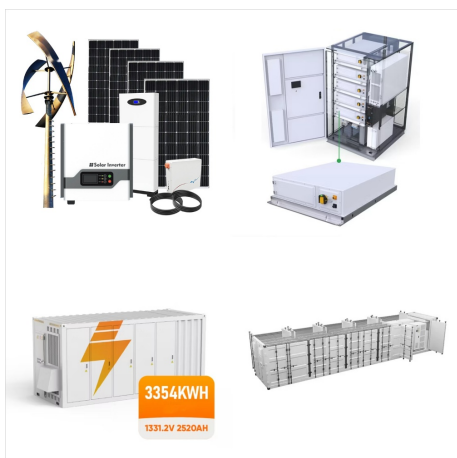




Bucharest, the 12th Solar Energy Conference and Trade Show of Central and Eastern Europe, will be held on October 15-17, 2024, in Bucharest, Romania, at Laminor Arena. Green Battery CEE 2024, the 3rd Conference and Exhibition on Energy Storage Solutions, and SEF 2024, the Sustainable Energy Forum, will be part of the rich program offered by ???



Moldova to the Treaty establishing the Energy Community, No.117 of 23.12.2009 ? Energy Strategy by 2030, Government Decision, No. 102 of 05.02.2013 ? Law on Energy Efficiency, No.139 of 19.07.2018 ? Law on the promotion of the use of energy from renewable sources, No.10 of 26.02.2016 ? Law on Approving Eco-Design Requirements for



First renewable energy tenders in the Republic of Moldova THE MINISTRY OF ENERGY OF THE REPUBLIC OF MOLDOVA The graphical elements were provided by Invest Moldova. Moldova Energy Sector Data The dependence of the energy imports 100 % on fuels for transport. 100 % on natural Wind Solar NET Metering Biogas Hydro



The Energy Strategy of Moldova (ES) until 2030 provides guidelines for national energy sector development, in order to ensure necessary grounds for economic growth and social welfare. 20% renewable energy sources in TFC; 10% biofuels in transport; 10% renewables in electricity generation; reduce energy intensity by 10%; reduce losses in



Moldova plans to hold tenders for 165 MW of large-scale renewable energy projects in April in an effort to support the Eastern European country's 2030 climate targets and cut its reliance on energy imports.



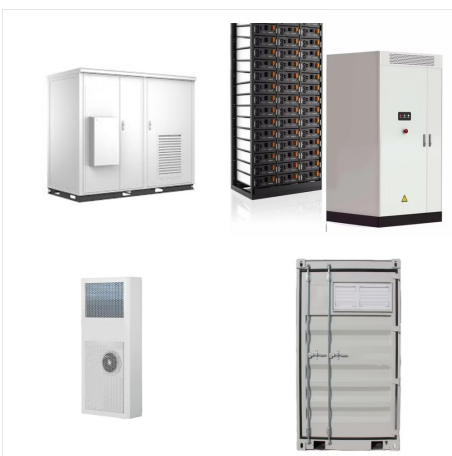
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By 2023, Moldova had achieved 348.3 MW of renewable energy capacity (132.7 MW of wind power, of which 115.3 MW net metering, 6.9 MW of solar power, 16.8 MW of hydropower, and 6.6 MW from biogas), and with the addition of 165 MW from the new tenders, the total capacity will reach 513.3 MW, bringing Moldova closer to meeting its daily energy ???



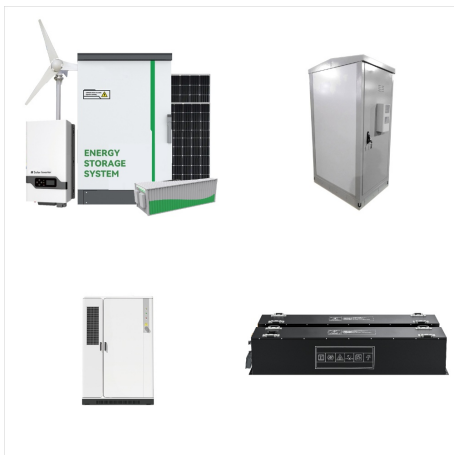
The price will be determined through the competition and is capped at MDL 1.5 (USD 0.086/EUR 0.077) per kWh for wind and at MDL 1.67/kWh for solar. Moldova's national goal is to achieve a 30% share of renewable power in its final electric energy consumption by 2030. (MDL 10 = USD 0.571/EUR 0.517)



Today about 400MW of renewable energy capacity has been installed in the Republic of Moldova ???of which about 230MW of solar PV, and 170MW of wind capacity. To reach net-zero by 2050, the renewable energy installed capacity in Moldova will have to increase from 400MW in 2024 to 1600MW in 2050.



Chişinău, the capital of the Republic of Moldova, is advancing efforts to boost renewable energy production, aiming for energy independence and a transition to green energy. Moldova's energy landscape shifted significantly following the ???



IN THE REPUBLIC OF MOLDOVA Renewable Energy Coordination Group . 1st Meeting . 2 March, Vienna. ENERGY SECTOR . REVIEW ??? The Republic of Moldova is highly dependent on energy imports, 87 % of the energy consumption is covered from import Solar PV Wind Biogas Hydro . 0% . 3% . 5% . 8% . 10% . 13% . 2009 2011 2013 2015 2017 2019 . RES-

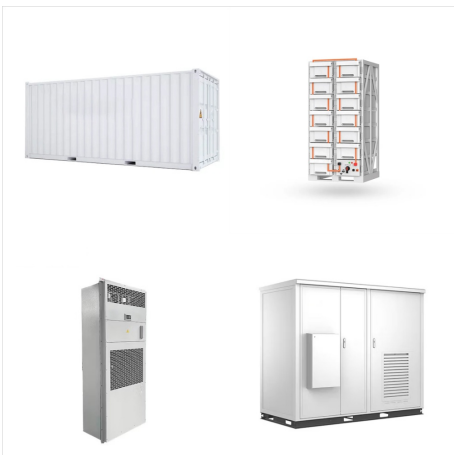


MOLDOVA ENERGY SECURITY ACTIVITY (MESA) 2022 - 2026 ? 1/2 ?Tetra Tech Moldova relies heavily on neighboring countries for energy, which has led to natural gas and power supply challenges and forced Moldovans to pay high prices for imported energy, while domestic clean energy resource Harness Moldova's renewable energy resources, like solar ???





In a first for the Republic of Moldova, a tender has been launched for the construction of onshore wind power plants with a capacity of up to 105 MW and photovoltaic power plants with a maximum capacity of 60 MW. The plants will be built by investors who will receive, following the tender, the status of large eligible producer and guarantees that they will ???



So, Moldova cannot integrate into the energy system more wind energy than the minimum consumption at night and more solar energy than the maximum consumption during the day. If we produce more green energy than it can consume, it will flow into the Romanian or Ukrainian grid either for free, or Moldova will have to pay to balance the system.