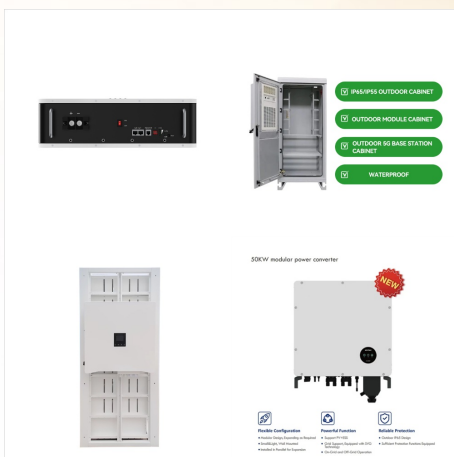




Abstract: The paper presents an analysis of the potential of solar energy in the regions of Turkmenistan. Based on the calculations of solar radiation in the regions of Turkmenistan, an ???



developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided



GOAL: to promote an understanding, on a global scale, of the dynamics of change in energy systems, quantify emissions and their impacts, and accelerate the transition to carbon-neutral, environmentally benign energy systems while providing affordable energy to all.



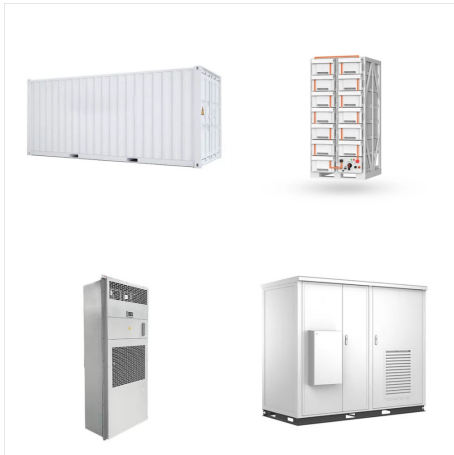
Turkmenistan has considerable potential for energy savings through the implementation of energy efficiency measures on the consumption side. Based on existing inefficiencies and baseline consumption figures, the ???



Sustainable Energy; Statistics; Trade; Transport; Urban Development, Housing & Land; Themes. Climate action; High-impact Areas; Gender; Circular Economy; SPECA; Technical cooperation; THE PEP; UN SG's Special Envoy for Road Safety; UN Road Safety Fund; UN cooperation in the UNECE region; Regional Forum on Sustainable Development; ???



In the near future, a solar and wind power plant with a capacity of 10 megawatts will be commissioned, symbolizing the beginning of alternative energy implementation in the country. Moreover, a combined power plant is being constructed on the Caspian Sea coast, which will increase exports to Europe.



Turkmenistan has considerable potential for energy savings through the implementation of energy efficiency measures on the consumption side. Based on existing inefficiencies and baseline consumption figures, the residential and services sectors were identified as high priority.



In the near future, a solar and wind power plant with a capacity of 10 megawatts will be commissioned, symbolizing the beginning of alternative energy implementation in the country. Moreover, a combined power plant is ???



In 2021, the President of Turkmenistan adopted the Law of Turkmenistan "On Renewable Energy Sources", for which regulatory acts are being developed to promote the practical use of renewable energy in various sectors of the country's economy.



Abstract: The paper presents an analysis of the potential of solar energy in the regions of Turkmenistan. Based on the calculations of solar radiation in the regions of Turkmenistan, an estimate of the amount of solar energy received by the solar panel was obtained.



Turkmenistan's government is continuously investing in oil and gas, to modernise and expand the electricity and heat sector by 2020. Moreover, the energy sector is almost fully subsidised, with citizens receiving free electricity, heat and gas up to a cer