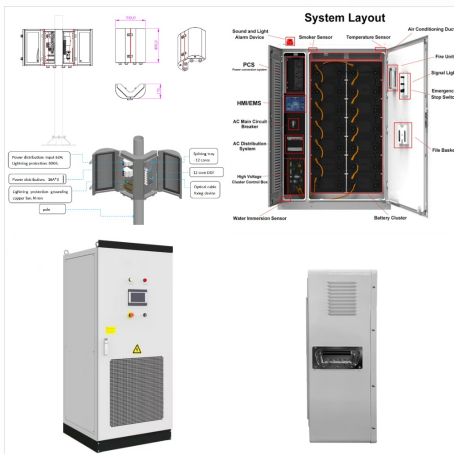




operators involved in the energy sector in Timor-Leste. The purpose of this report is to assist the government of Timor-Leste, in particular the office of the Secretary of State for Energy Policy, to develop policies in key areas that would guide planning of the subsequent phase of its ongoing rural energy programs. The selected key areas in



Solar resource (GHI, DNI, DIF, GTI, OPTA), PV power potential (PVOUT) and other parameters are provided in the form of raster (gridded) data in two formats: GeoTIFF and AAIGRID (Esri ASCII Grid). Provided data layers are in a geographic spatial reference (.Metadatas are provided in PDF and XML format for each data layer in a download file (according to ISO ???



Through the training, the young specialists in Timor-Leste gain an understanding of harnessing and converting solar radiation into usable energy using solar photovoltaic (PV) technology. They also learn about various solar panel types like monocrystalline and polycrystalline, each with unique efficiency levels and performance characteristics

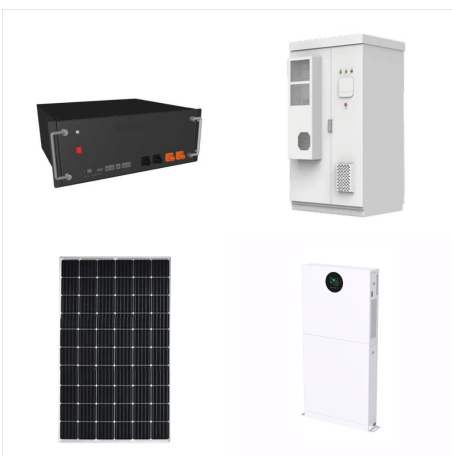
# SAVE ENERGY SOLAR PANELS TIMOR-LESTE



Renewable Energies: Timor-Leste invests in Solar Panels Just as the remaining renewable energies sources that are being explored by the Government in Timor-Leste, the photovoltaic units (or solar project) implementation project is specially directed for the families that live in remote areas, where difficulties still exist in the national



Shortwave Radiation, Solar Radiation, Timor Leste, WRF Code Improvement 1. Introduction As a tropical region, Timor Leste is one of the challenging countries in the world How to cite this paper: de Araujo, J.M.S. (2021) Improvement of Coding for Solar Radiation Forecasting in Dili Timor Leste??? A WRF Case Study. Journal of Power and



to 2021, Renew worked with communities in Timor-Leste to provide clean, renewable lighting and electricity. We helped install solar lighting and power to more than 2,000 homes and over 100 community centres, orphanages, schools and hospitals in remote rural villages. We also helped train 180 village-based solar technicians.

# SAVE ENERGY SOLAR PANELS TIMOR-LESTE



Source: Timor-Leste Solar Market Assessment by ITP Renewables and MDF.2 Benefits of switching to solar energy Timor-Leste has a high-quality solar resource. The global horizontal irradiance in Dili is higher than on the east coast of Australia, where the solar market is mature and installation costs are higher.



In these more inaccessible areas, the use of this type of energy has already demonstrated its effectiveness. The first solar panels were installed in 2008. Nowadays, in all the districts, with the exception of Dili, there are sucos with solar panels, where two thousand, one hundred and forty three families are covered in the whole territory.



The solar panels have a 25 year duration. The Government's main objective is that the communities become energy self-sufficient. "And in a few years the reverse may happen: the National network may buy energy from these small renewable energy sources, spread throughout the country", concluded the Secretary of State, Avelino Coelho.

# SAVE ENERGY SOLAR PANELS TIMOR-LESTE



3 ? As Timor-Leste moves toward prioritizing more climate-friendly development, clean energy is providing empowerment and opportunity for its people. With solar lights in their homes, women across the country can dream bigger, feel safer, ???



With the new UN reforms, the United Nations in Timor-Leste, under the leadership of the Resident Coordinator has now started lighting the way with its solar-powered grid which has begun to give



The Operations Management Team started weighing the feasibility and working on a cost-efficient alternative energy solution in 2016-2017 when Timor-Leste was facing high electricity costs and increased CO2 emissions. "In Timor-Leste, our road to the 2030 Agenda for Sustainable Development starts at home.

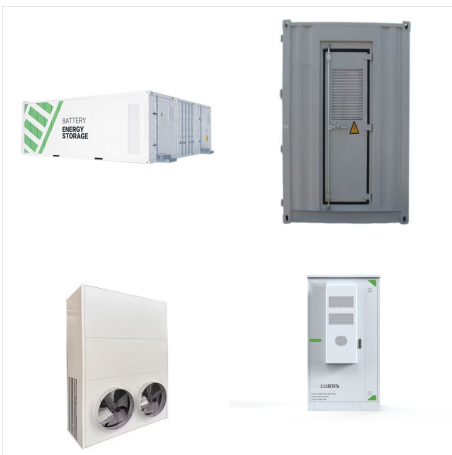
# SAVE ENERGY SOLAR PANELS TIMOR-LESTE



people living in rural and remote parts of Indonesia and Timor-Leste will gain access to clean electricity and clean water from solar power as a result of a US\$ 18 million initiative funded by a four-year Korea International Cooperation Agency (KOICA) project.



It took almost a year ??? from feasibility to completion ??? to see the solar panel installed at the UN Timor-Leste compound. Credit: RCO Timor-Leste. This move comes with the UN's revised Business Operations Strategy (BOS) that guides strategic planning, management, monitoring, and reporting of the UN Country Team's joint support.



The centralised nature of the local electricity supply chain has traditionally kept consumers reliant on the national grid to overcome chronic energy shortages. While more than 200,000 households have access to electricity, the distribution network is in poor condition, with excessive voltage drops and persistent service outages. The cost of electricity is also higher ???