The objective is to increase the power generation capacity of the country from the existing 4,043 megawatts (MW) to 6,900 MW by 2025 with a significant increase in renewable energy. Sri Lanka has already achieved a grid connectivity of 98 percent, which is relatively high by South Asian standards.

Cornex New Energy Co.,Ltd. is a globally-oriented new energy innovation and technology company of lithium-ion battery, which focuses on the development, manufacturing and sales of traction battery and energy management system which includes electrochemical energy storage, electric vehicle, commercial vehicle, construction machinery and others.

As global energy systems shift hastily away from the disruptive use of fossil fuels, the current crisis in Sri Lanka presents an opportunity to reinvent the energy system to one that is based on abundant indigenous renewable energy (RE) resources and able to meet the country's growing energy demand [2, 12].

SRI LANKA CORNEX ENERGY

1. National Energy Policy to reach 80% Renewable Energy in the electricity sector by 2030 (this was the logical target later pruned by the CEB to 70%) 2. A firm national policy to ensure energy sector remains in control of ???

,??????,???

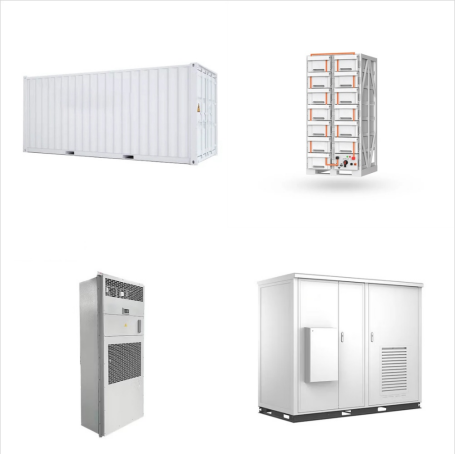
CORNEX is committed to providing customers with professional energy storage battery solutions from safety, energy efficiency, economic efficiency, installation and maintenance convenience and other multi-dimensional factors, so as to facilitate the integration of ???

The Sri Lanka Sustainable Energy Authority was established upon realising the necessity of having an apex institution to drive Sri Lanka towards a new level of sustainability in energy supply and use, through increasing indigenous energy and improving energy efficiency and energy conservation within the country.

4 ? Sri Lanka aspires to become a carbon neutral country by 2050 by making the most out of the energy available and developing cleaner energy resources according to the National Energy Policy and Strategies of Sri Lanka.

The study will examine the present energy profile of Sri Lanka in terms of the available energy sources and their potential together with the possible developments in the next few years in extending the country's energy generation capacity as per the Renewable Energy Utilization Framework (REUF) (Ogbonnaya et al., 2019). Furthermore, this study

SRI LANKA CORNEX ENERGY



CORNEX M5 incorporates a self-developed Conergy ?? 314Ah energy storage battery cell, boasting a cycle life up to 12,000 cycles and an impressive energy density up to 185Wh/kg. Furthermore, the capacity of the energy storage container has been elevated to 5MWh, achieving a remarkable 49% increase in system volume energy within the same size