

# Demand response sri lanka



## Overview

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Demand Response was developed by electric utilities to increase flexibility on the demand side by temporarily shifting or reducing the peak energy demand, thereby avoiding costly energy procurements and capacity investments for a small number of hours of need. The demand for electricity has also experienced significant changes amidst of these price revisions. Technological advancements, regulatory support, and the proliferation of IoT devices further accelerate market expansion across. The study found several barriers to the ADR, such as the high initial setup costs, the lack of standardized protocols, incentives, and supportive legislation. Despite these barriers, the study emphasizes how ADR might improve sustainability and energy efficiency in Sri Lanka's commercial sector. This causes a considerable economic loss, which can be avoided with accurate forecasts. To address this national issue, this research developed. This report includes a techno-economic feasibility study on Demand Response (DR) opportunities in Sri Lanka conducted by a research group of the University of Moratuwa in collaboration with the Public Utilities Commission of Sri Lanka (PUCSL). As such, it is an umbrella term that includes several different load shape.

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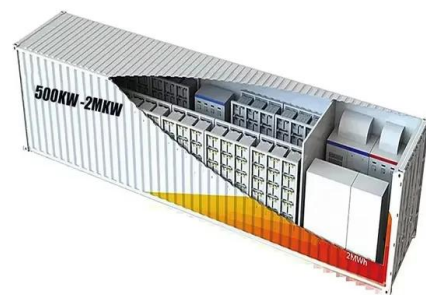
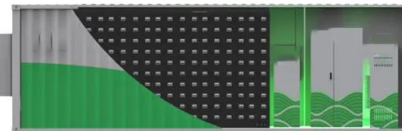


### CEB , Knowledge Hub

What is Demand Side Management? DSM encompasses "systematic utility and government activities designed to change the amount and/or timing of the customer's use of electricity" for the collective ...

### [Sri Lanka Demand Response Management System Market \(2025 ...](#)

Sri Lanka demand response management system market is developing rapidly due to the increasing focus on energy efficiency and smart grid technologies. Demand response systems enable utilities to ...



### [Data-Driven Demand-Response Modeling for Electricity Consumption ...](#)

Due to inaccurate demand forecasts in Sri Lanka, especially during the peak times, the authorities use high cost electricity generation options needlessly. This causes a considerable economic loss, which ...

### [First Demand Response Pilot Project in Sri Lanka](#)

First Demand Response Pilot Project in Sri Lanka funded by USAID and installed at University of Moratuwa. S.L.A.M. Power Solutions (Pvt) is the exclusive authorized channel partner for FIMER, ...



### [Electricity Demand Response to Price Changes in Sri Lanka](#)

This study investigates the responsiveness of electricity consumers to the price changes in Sri Lanka, by means of estimating the short-term price elasticity of demand.



### **Demand response sri lanka**

In July 2025, Sri Lanka's Prime Minister Harini Amarasuriya met with Dr. Chris Elias, the Global Development Chair of the Bill & Melinda Gates Foundation, to discuss child and maternal



### [Electricity Demand Response to Price Changes in Sri Lanka](#)

In this study the demand response to electricity price changes in Sri Lanka is to be studied by means of estimating price elasticities. Being an essential commodity, Electricity is generally considered to be ...



## DR\_PUCSL\_Final Report

This report includes a techno-economic feasibility study on Demand Response (DR) opportunities in Sri Lanka conducted by a research group of the University of Moratuwa in collaboration with the Public ...



## [Demand Response Professional Market Emerging Trends and...](#)

The Sri Lankan Demand Response Professional Market is set to grow steadily as the country aims to enhance grid reliability and incorporate renewable energy sources.



## [ADAPTATION OF AUTOMATED DEMAND RESPONSE \(ADR\) ...](#)

Automated Demand Response (ADR) technology could potentially be used to lower peak energy use in commercial buildings in Sri Lanka. By assessing the feasibility, benefits, and challenges of ADR in ...



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