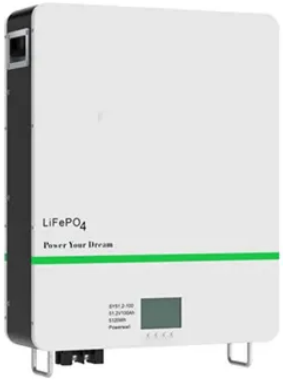
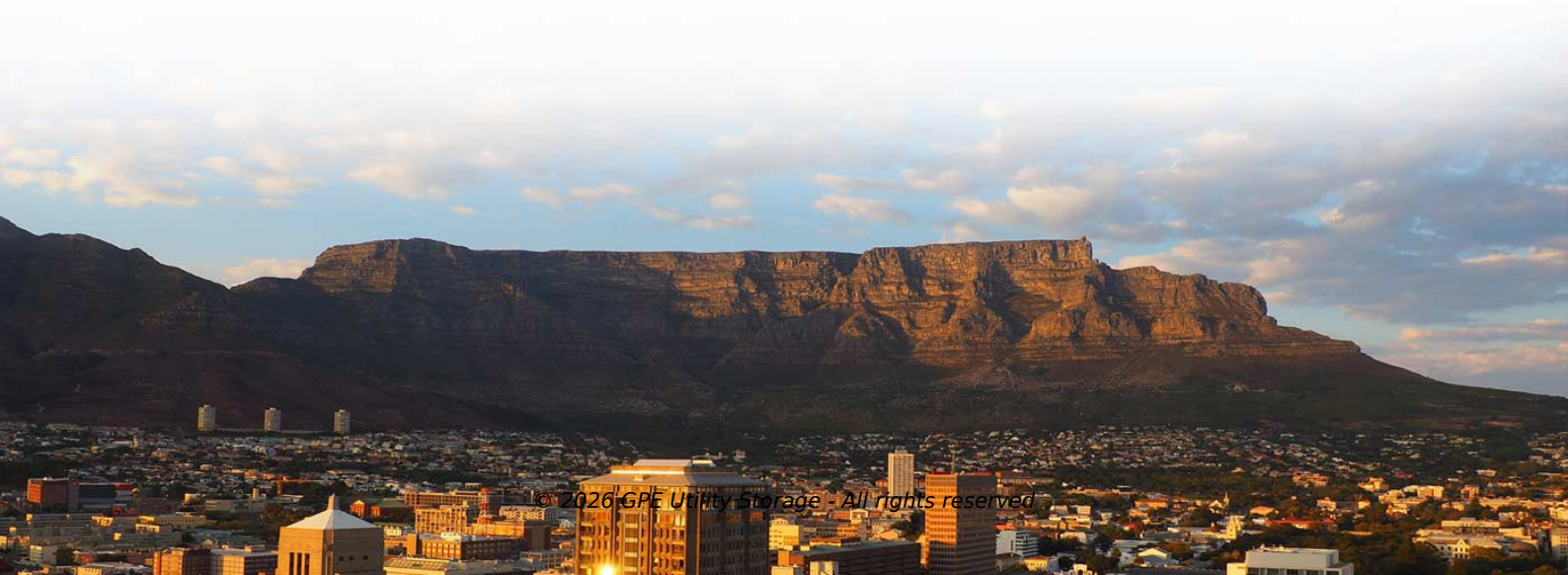
GPE Utility Storage

Lithium battery energy storage optimization control



Overview

We formulate an optimization problem to control the dispatch (charge and discharge) of a lithium-ion battery energy storage system (LIB) in order to balance supply and demand within the microgrid, while minimizing diesel fuel consumption.



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