

## SolarTech Power Solutions

# Libya Time-of-Day Energy Storage Project Budget



## Overview

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How much energy does Libya need in 2022?

Fossil fuels met nearly all of Libya's energy demand, with oil accounting for 57% and natural gas accounting for almost 43% in 2022. Rooftop solar projects met less than 1% of the remaining energy demand.<sup>15</sup>

How much does electricity cost in Libya?

Low local price and ranges in cost from \$1.6 - 2 billion annually at international prices. To improve governance, performance, and financial viability, in 2018, GECOL developed and approved a Libya Electricity Sector Reforms Roadmap (with the assistance of USAID) which recommended a series of short t.

What happened to the electricity sector in Libya?

of the national electricity sector in Libya". Breaking down the comp or an indeterminate duration. Significant support was provided to support early reform work. The practical transition of the electricity sector is now just starting, and the project played an overall small but not neglig.

How many MW of electricity does Libya generate in 2023?

66 Libya Oil Monitor, "GECOL gives update on power plant maintenance," December 4, 2023; Libya Herald, "Libya generates 8,200 MW of electricity for the first time ever: GECOL," March 20, 2023. 67 France24, "Libya lights up after years of power cuts," September 3, 2023.

How much natural gas does Libya use?

Libya's natural gas consumption totaled 305 Bcf in 2023 and accounted for more than 70% of domestic production after 2020 (Figure 5).<sup>51</sup> The electric power sector drives Libya's domestic natural gas demand, accounting for about 85% of Libya's domestic natural gas use in 2022.

What fuel does Libya use?

Libya fueled its electricity generation with natural gas (71%) and oil (29%) in 2022.63 Diesel and fuel oil accounted for most of the petroleum used in power plants, although the Ubari power plant at the Sharara oil field uses crude oil as a fuel.

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