



# Indonesia Surabaya Industrial Power Peak Shaving Energy Storage





## Overview

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Why do Indonesians need energy storage?

Indonesia's focus on industrial growth creates a demand for reliable power. BESS can offer backup power, improve power quality, and enable cost savings through peak shaving. The Indonesian government recognizes the importance of energy storage.

Is Surabaya a pilot city for energy transition in Indonesia?

Surabaya, Indonesia Sentinel — Surabaya, the capital of East Java, has been selected as a pilot city for energy transition and efficiency efforts in Indonesia. The city officially launched its building sector decarbonization program on April 16, 2025, under the Sustainable Energy Transition in Indonesia (SETI) initiative.

Why was Surabaya chosen as a transition energy model city?

Surabaya was chosen for transition energy model city considering its considerable energy-saving potential, existing green building certification framework, rapidly growing construction sector, and the capacity of local stakeholders to manage energy transition projects.

Can solar energy be a strategy to meet Indonesia's energy goals?

Solar energy can be a strategy to meet this target," said Deon Arinaldo, Program Manager of Energy System Transformation, at the launch of the Indonesia Solar Energy Outlook 2025 study report – Breaking the Walls: The Future of Indonesia's Solar Energy and Energy Storage Innovations (15/10/2024).



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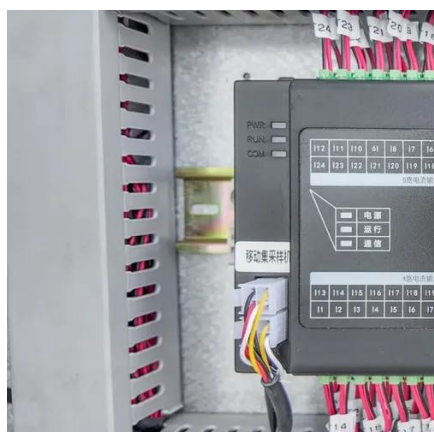


### Peak Shaving: Optimize Power Consumption with Battery Energy Storage

Peak shaving, or load shedding, is a strategy for eliminating demand spikes by reducing electricity consumption through battery energy storage systems or other means. In this article, we ...

### [REPT 30MW/33.5MWh Energy Storage System Peak Shaving ...](#)

Recently, the 30MW/33.5MWh energy storage peak shaving project, equipped with REPT's 1P52S liquid-cooled energy storage module, was successfully grid-connected in ...



### [BESS for Peak Shaving: Cut Energy Costs by 30% \[Origotek\]](#)

Among all energy control techniques, peak shaving has emerged as a key energy management technique to optimize energy costs. The definition of peak shaving is the use of ...

### [Peak Shaving: Optimize Power Consumption with ...](#)

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### Mapping Growth Opportunities for Solar Energy and Energy Storage ...

IESR has issued a report for the first time assessing the development of energy storage in Indonesia in *Powering the Future: An Assessment of Energy Storage Solutions and ...*



### [INDONESIA PEAK SHAVING ENERGY STORAGE PROJECT ...](#)

Emerging markets in Africa and Latin America are adopting industrial storage solutions for peak shaving and backup power, with typical payback periods of 2-4 years.



### [Indonesia Energy Storage Market 2024-2030](#)

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### [ESS Peak Shaving - How Energy Storage ...](#)



Discover how ESS peak shaving systems help industries and businesses reduce electricity costs, stabilize energy demand, and improve power ...



### [REPT 30MW/33.5MWh Energy Storage System ...](#)

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### [Indonesia Energy Storage Market 2024-2030](#)

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### **Surabaya Designated as Model City for Energy Transition in Indonesia**

Surabaya was chosen for transition energy model city considering its considerable energy-saving potential, existing green building certification framework, rapidly growing ...

### [Energy storage systems for peak demand management](#)



This article will discuss the role storage technologies play in industrial peak shaving--mechanisms, benefits, global case studies, challenges, and the future of resilience in ...



### [From Peak Shaving Tools to Resilience Enhancers: How](#)

Once primarily used for peak shaving to cut electricity costs, battery energy storage systems (BESS) have evolved into powerful tools for energy resilience, renewable integration, ...

### [Surabaya Designated as Model City for Energy ...](#)

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### **ESS Peak Shaving - How Energy Storage Systems Reduce Industrial Power**

Discover how ESS peak shaving systems help industries and businesses reduce electricity costs, stabilize energy demand, and improve power efficiency through intelligent battery storage ...



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