

# BESS

## Battery Energy Storage System

A Battery Energy Storage System (BESS) stores electricity and releases it when needed just like a giant rechargeable power bank for your building or business. It works with the grid or solar panels, providing backup, energy savings, and better power stability.



### Overview

A Battery Energy Storage System (BESS) stores excess electricity and releases it when demand is high or during power interruptions – acting like a large, rechargeable power bank for your facility or business. It integrates seamlessly with the grid or solar panels to provide reliable backup power, reduce energy costs, enhance efficiency, and ensure stable, uninterrupted operations.

### Features

BESS provides the following features:

- **Fast power delivery**  
Provides instant response during power outages to keep your operations running smoothly.
- **Scalable system**  
Easily adaptable to different needs, from small commercial buildings to large industrial facilities.
- **Smart energy control**  
Enables real-time monitoring, optimization, and efficient energy management for better cost savings.
- **Safe and reliable**  
Built with advanced safety features, long battery life, and internationally tested and certified standards for dependable performance.

### Technology Benefits

- **Peak Shaving**  
Reduce your maximum demand (MD) charges from TNB, big monthly savings on your electricity bill.
- **Reliable Backup Power**  
Keeps critical systems running when the grid goes down.

- **Maximize Solar Usage**

Store unused solar energy during the day and use it at night.

- **Sustainable & Green**

Cut carbon emissions and support Malaysia's renewable energy goals.

- **Smart Energy Management**

Automated system that charges and discharges efficiently without manual control.

### Applications

- **Commercial buildings & offices**
- **Factories & industrial sites**
- **Hospitals & data centers**
- **Schools, malls, hotels**
- **Large Scale Solar projects**



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