

Inside a battery energy storage system

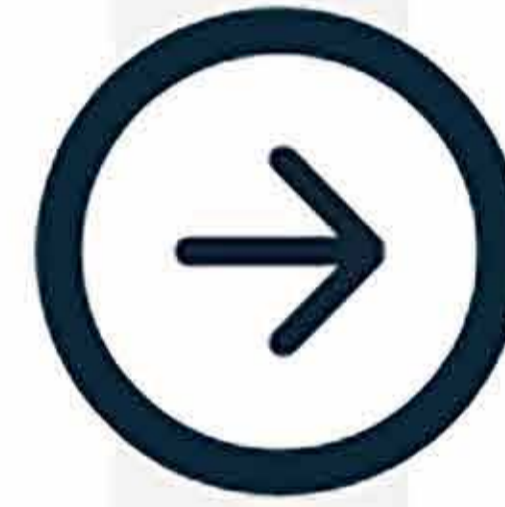
Modular and outdoor battery energy storage container simplifies site design and enhances safety

Cell & Module



- Battery cells are the basic building blocks
- Multiple cells are grouped into modules

Rack



- Multiple modules are stacked within racks
- Includes localized battery management system (BMS) and protection systems

Containers



- Racks are housed in containers; outdoor design allows safe maintenance without entering containers
- Advanced thermal management system maintain optimal temperatures
- Multiple safety systems including fire detection and automatic shutdown
- Energy Management System (EMS) manages charging, discharging and system safety