

# Battery Energy Storage Systems (BESS)

BESS facilities store and discharge energy into the grid. Battery systems are especially important at night, on days with heavy cloud cover, and during unexpected power outages. Battery Energy Storage Systems use similar lithium-ion technology as rechargeable phones, laptops, and power tools.



# Benefits of energy storage



## Cost Savings

BESS has the unique ability to store energy when it's cheap and discharge it to the grid when it's more expensive.



## Grid Reliability

BESS improves power quality and enhances system resiliency



## Cleaner Energy

BESS decreases dependence on fossil fuels and eliminates energy waste.



## Dependable Power

BESS helps eliminate rolling blackouts, power outages, and grid disruptions.



## Is BESS a good fit for your community?

BayWa r.e. develops reliable energy storage projects with your best interest in mind. BESS technology doesn't produce any greenhouse gases, doesn't require water to generate electricity, and can be installed on less than 10 acres of land. We work with landowners and local communities to site projects in areas with low visual and environmental impact, and follow international safety standards set forth by IEEE, NFPA, and UL.