



Career Pathway Spotlight

Discover a Career as a Battery Storage Technician



Discover your career in energy!

Battery Storage Technicians power the energy transition — installing and maintaining the battery systems that store electricity and keep homes, businesses, and the grid running reliably.

Grid-Scale & Utility Battery Energy Storage System (BESS) Deployment

Battery Storage Technicians install, commission, and maintain the massive battery systems that store electricity at the grid level — helping utilities balance supply and demand.

Renewable Energy + Storage Integration

On solar farms and wind sites, Battery Storage Technicians connect and maintain the storage systems that capture excess generation and dispatch it when the sun isn't shining or the wind isn't blowing — making clean energy available around the clock.

Commercial, Industrial & EV Infrastructure

From hospital Uninterruptible Power Supply (UPS) systems and microgrid installations to EV fast-charging stations, Battery Storage Technicians ensure that critical facilities and transportation infrastructure have reliable, resilient power on demand.

CAREER PATH

Start with:

- » High school diploma or GED
- » Strong electrical aptitude or hands-on technical background

Get Educated:

- » IBEW (International Brotherhood of Electrical Workers) apprenticeship
- » NABCEP Battery Storage Certification
- » Community college programs in electrical technology or renewable energy

Specialize With:

Knowledge in:

- » Knowledge in:
- » Utility-scale BESS
- » Microgrids
- » UPS/critical power
- » Solar PV + Storage
- » EV fast charging

OCCUPATIONAL SKILLS

- » Install, operate, and maintain battery storage systems and associated electrical equipment
- » Read electrical schematics and use diagnostic tools to identify and resolve equipment issues
- » Monitor system performance using control software and respond to operational alerts
- » Careful attention to safety and following step-by-step instructions
- » Comfort working on your feet and at active job sites
- » Reliability and teamwork, showing up on time and supporting utilities and project teams

BENEFITS

These energy industry careers offer:

- » Competitive wages with overtime and shift differentials
- » Employer-sponsored health, dental, and vision insurance
- » Pension or 401(k) retirement plans
- » Paid apprenticeship and on-the-job training
- » Job stability in a fast-growing sector
- » Career advancement into project management or engineering roles

What Might You Do As A Battery Storage Technician?

ENTRY LEVEL

1-4 years

What you will do:

- » Install, wire, and commission battery storage system components under supervision
- » Perform routine inspections and preventive maintenance on BESS units
- » Monitor battery management system (BMS) software and log operational data
- » Assist with safety testing including insulation resistance and ground fault checks
- » Follow all electrical safety procedures and lockout/tagout protocols to protect people and equipment
- » Support field commissioning activities during project startup phases

MID- CAREER

5-8 years

- » Independently operate and maintain utility-scale and commercial BESS systems
- » Troubleshoot battery cell degradation, inverter faults, and thermal management issues
- » Optimize system performance through BMS parameter adjustments and firmware updates
- » Coordinate with utilities and grid operators on interconnection and dispatch requirements
- » Lead installation and commissioning crews on new energy storage projects
- » Ensure compliance with regulations and local authority having jurisdiction (AHJ) requirements

EXPERIENCED

8+ years

- » Design and specify BESS configurations for utility, microgrid, and Commercial & Industrial applications
- » Oversee multi-site storage operations and manage field technician teams
- » Develop site-specific safety plans, commissioning protocols, and Operations & Maintenance procedures
- » Serve as technical lead for grid-scale project handoffs from construction to operations
- » Evaluate and select battery technologies, inverters, and ancillary equipment for new projects
- » Report on system performance, degradation trends, and financial metrics to stakeholders

What knowledge, skills and abilities will you need to succeed?

- » Basic knowledge of AC/DC electrical systems and battery chemistry fundamentals
- » Ability to read and interpret electrical schematics and technical manuals
- » Commitment to electrical safety standards and PPE requirements
- » Physical ability to work in outdoor environments and lift heavy equipment
- » Come to work on time and prepared
- » Willingness to work rotating shifts, weekends, or on-call as needed

- » Advanced proficiency with BMS platforms and SCADA monitoring tools
- » Understanding of grid interconnection standards and utility communications protocols
- » Ability to diagnose and resolve complex electrical and system-level faults
- » Strong project coordination skills across engineering, utility, and construction teams
- » Knowledge of regulatory requirements
- » Effective technical documentation and reporting skills

- » Deep expertise in battery storage technologies, chemistries, and lifecycle management
- » Leadership and workforce development skills
- » Financial understanding of storage project economics and revenue streams
- » Comprehensive knowledge of federal, state, and local energy storage regulations
- » Ability to coordinate across engineering, finance, legal, and utility stakeholders
- » Advanced data analysis skills for performance optimization and predictive maintenance

GET PAID!

Entry Level:

- » \$41,500 / year*

As You Gain Seniority:

- » \$73,400 / year*

Later in Your Career:

- » \$106,000 / year*

* Source: Zip Recruiter (May 2026). These figures are based on aggregate job posting data because the role is not included in the United States Energy & Employment Report and has no precise match in BLS OEWS. Compensation figures should be used as a guide; actual compensation may vary depending on education, geography, experience, and many other factors.



ENERGY INDUSTRY CAREERS OFFER:

- » Excellent salaries
- » Opportunities for advancement
- » Job growth & stability
- » Professional development and training
- » Great benefits

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