

BESS

Turnkey Energy Storage Integration

Motors
Automation
Energy
Transmission and
Distribution
Coatings

Reduce project risk with a single point
of accountability



Driving efficiency and sustainability

US.BESS.Turnkey.Integration.2024



WEG is a global powerhouse with a local U.S. team. Renewable is in our DNA.

■ **System Sizing and Design**

- WEG engineers provide a bullet-proof design that reduces lifecycle costs.
- A detailed use case analysis ensures maximum ROI.

■ **Equipment integration**

- WEG has experience with lots of manufacturers so we know which equipment to select for high reliability and performance.
- Equipment is mounted to a skid for dependable commissioning and faster installation.
- Transportation and storage solutions for equipment that WEG procures means no hassles or headaches for you.

■ **Civil work**

- Included permitting and civil engineering makes everything simple for you.

■ **Installation and Commissioning**

- Our experienced project management team minimizes the risk of delays and overruns
- Onsite human interface provides redundancy.

■ **Operation and Maintenance**

- WEG handles any warranty claims
- WEG ensures the ongoing success of your project with a single point of accountability!



Turnkey Integration includes:

■ System Sizing and Design

- Overcurrent simulation
- Equipment compatibility and sizing
- EOL retention/augmentation strategy
- Cable sizing, spec, penetration req.
- Operation strategy and use case analysis
- Throughput calculation
- PCS parameters
- PCS to DC voltage match
- Site requirements – elevation, ambient temperature, etc.
- Regulation compliance

■ Equipment

- AC skid manufacture
- DC enclosure design
- Network communications
- EMS to BMS integration(cell balancing, state of charge, etc)
- HMI for onsite operation

- Battery certifications
- HVAC sizing, design, and communication
- Transportation and storage
- Equipment receiving and acceptance
- Cybersecurity

■ Civil Work

- Fencing
- Foundation design and drawings

■ Installation and Commissioning

- Site security
- Labor liabilities
- Equipment rental
- Project management

■ Operation and Maintenance

- Warranty, service and spare parts



WEG's scope of solutions is not limited to the products and solutions presented in this brochure.


Contact WEG for information on additional products and solutions.

For WEG's worldwide operations visit our website



www.weg.net



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