

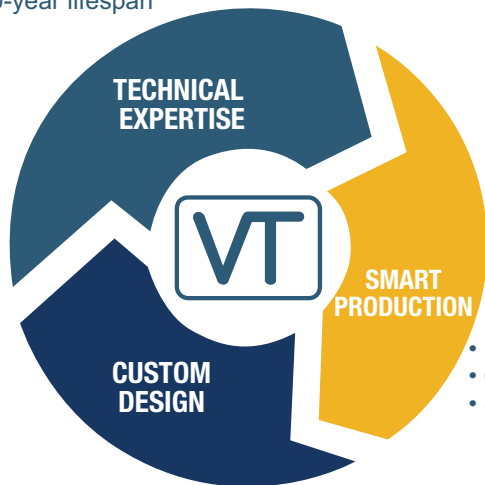
## CUSTOM TRANSFORMERS FOR YOUR BESS APPLICATIONS

### Why Choose Virginia Transformer?

Virginia Transformer is the largest U.S.-owned transformer manufacturer in North America. Our made-in-America quality and design expertise are unmatched throughout the industry.

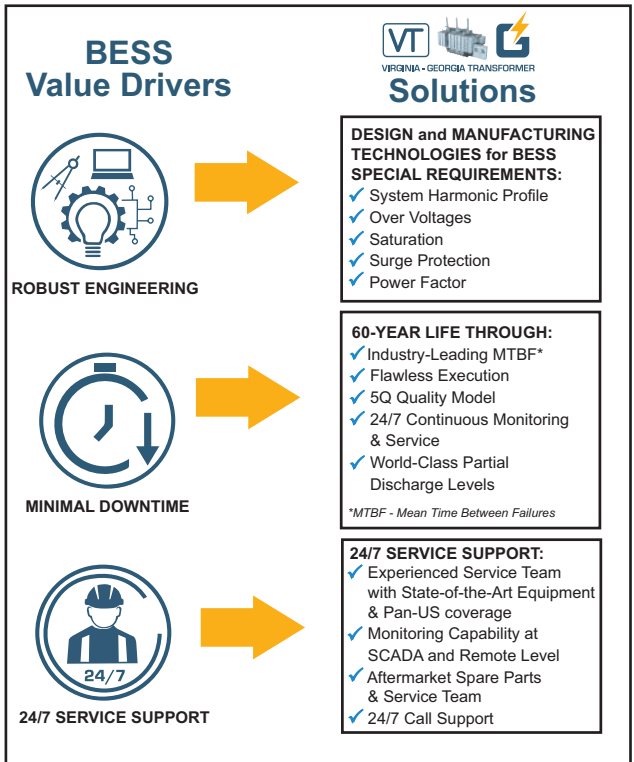
#### Key differentiators include:

- Solutions for renewable and BESS
- 400 engineers, 20k plus designs
- 60-year lifespan



- Over voltage considerations
- Inverter transformer compatibility
- Harmonic profile management
- Saturation power factor optimization

- Robust supply chain
- 6 manufacturing facilities
- Shortest lead times



### PRODUCT RANGE

Up to 400 MVA 525 kV

BIL 1675 kV

LTC / DETC

Medium Power Transformers

Large Power Transformers

GSU Transformers

Auto-Transformers

Padmount Transformers

Traction Transformers

Rectifier Transformers

69,000 MVA Annual Capacity

Virginia Transformer is the largest U.S.-owned transformer manufacturer in North America.



[vatransformer.com](http://vatransformer.com)

# PROVIDING RELIABLE POWER TO BATTERY ENERGY STORAGE SYSTEMS

## Virginia Transformer Delivers BESS Energy to the Grid:

The Battery Energy Storage Systems (BESS) industry is a rapidly growing market that demands reliable power to transmit stored energy to the grid. At Virginia Transformer, we manufacture transformers that set the gold standard for quality, efficiency, and reliability. Our units are designed with a 60-year lifespan to power your BESS projects for decades to come. With our dedicated power and padmount production facilities and **the shortest lead times in the industry**, Virginia Transformer is the trusted supplier of power transformers for successful BESS customers.

## Key Drivers of BESS Market Growth:

The energy storage market has grown significantly, reaching over 30 GWh of installed capacity in the U.S. alone. Texas and California have led BESS infrastructure investment due to large amounts of solar and wind energy generation. As other states expand these renewable energy sources, the BESS market will continue to grow.

Growth in the BESS market is driven by several key factors:

**INCREASED  
SYSTEM  
FLEXIBILITY**

- ✓ Demand Driven By Wind, Solar, Other Renewable Energy Projects
- ✓ Rising Pressure for Grid Reliability and Resiliency

**DECREASING  
BATTERY  
COSTS**

- ✓ More Affordable Battery Technology Through Rapid Advancement and Innovation
- ✓ ~1-15% Cost Reduction in BESS Systems in 24 Months

**CONTINUOUS  
INNOVATION**

- ✓ Smart Grid Innovations and Electrification Beyond Electric Vehicles
- ✓ Ongoing Investment in Battery Storage Technologies

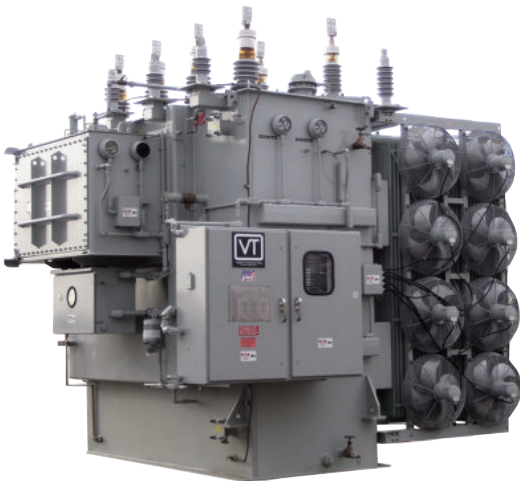
**SUPPORTIVE  
GOVERNMENT  
POLICIES**

- ✓ Financing Options Leveraging Federal and State Incentive Programs
- ✓ Government Initiatives and Promoting BESS Deployment

**DID YOU  
KNOW?**

- A faulty transformer can cost a BESS operator \$11 million in business interruption costs per week!
- In extreme weather events, BESS operators can make as much as 74 percent of their revenue in just three days!

Source: Modo Energy for 500MWh BESS Facility





**VIRGINIA - GEORGIA TRANSFORMER**  
ONE SOURCE—ONE COMMITMENT

## Let Us Power Your Next BESS Project

- Contact Us:**
- Phone: 540.345.9892
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  - Website: [vatransformer.com](http://vatransformer.com)

POWERING THE FUTURE OF ENERGY STORAGE

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