

**BESS Modular Container Installation Services**

**High Level Scope of Work**

* **Project Management**
* **Site Supervision**
* **CIVIL Construction**
  + Site construction manager
  + Site Preparation/Clearing and Grubbing
  + Backfill, Compaction and Inspection
  + Erosion Contraol/De-Watering
  + Final Grading
  + Pad foundations & concrete work
  + Escavation, Trenching and Grading
  + Laying Conduit
  + Ground grid and cadwelding
  + Fencing
* **Modular Container off loading and placement**
  + Modular Container damage inspection
  + Crane & rigging services
  + External ground connections
* **Equipment and cabling damage inspections**
  + Pre power-up NEC quality inspections and defect corrections
  + Visually inspect BESS Equipment and batteries for damage
  + Check cable tray and ironwork for loose hardware
  + Check communications & low voltage cabling for loose connections
  + Internal Ground Ring retorque
  + Ground fault ohms testing between each connection
  + Battery strapping retorque
  + Battery serial number and voltage readings log
  + Inspect piping and bracing
* **Externally mount HVAC units and exterior lighting** 
  + Caulking around HVAC units and vents
  + AC cabling connections to commercial power
  + Power up and operational verification
  + Capacity and controller function testing
  + Refrigerant & condensate line inspection
  + Water intrusion testing
  + Exterior light installation and testing
  + Drip rail inspections
* **Communications cabling to Demarcations**
  + Ethernet cabling, connecting, and data test verification
  + Fiber cabling, splicing, and OTDR test verification
* **Fire suppression inspections and alarm system verification**
  + Fire tanks
  + Sensor testing
  + Alarm testing
  + Cylinder Pressure verification
  + Agent in cylinder
  + Smoke detectors
  + Abort stations
  + Audible signals
  + Manual pull stations
  + Visual signals
  + Release solenoid
  + Door and fan test
* **A/C connections from the modular container to the transformers**
* **Battery Load testing**
* **Final quality inspections**

**Energy Services options if Batteries and Electronics are shipped separately from the Modular Container**

**\*Additional services including the items that apply above**

* **Equipment offloading and inventory**
* **Switchboard installation**
* **Battery Rack Installation**
* **Battery Module Installation**
* **Low & Medium voltage AC cabling**
* **Cable Megger test verification**
* Ground fault ohms testing between each connection
* **Electronic equipment Installation**
  + Battery Maintenance System, Node controllers, Inverters, Uninterrupted Power Source
* **Communications Rack installations**
  + Fiber and Ethernet Patch panels
  + Communications cabling and data test
  + Fiber Ring cabling, splicing and OTDR testing
  + Temperature sensor and leak rope installation and test
  + Emergency Stop cabling and test
  + Camera system installation turn up and test
  + Wireless Access Point installation and test
  + Alarm system cabling
* **Fire suppression system installation**
* **Battery and Equipment Maintenance Services**
* **Final quality inspections**

Alamon provides turnkey solutions, including Civil Construction and Electrical low/medium voltage interconnections, with our BESS installation services by working with trusted partners in most geographic locations.

For inquiries and a complete list of equipment or services offered, please contact

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