

6744A-17-005

**Replace existing and Install new 50KVA UPS at Waco Bldg. 4
Department of Veterans Affairs, Doris Miller VA Medical Center
4800 Memorial Drive, Waco, TX 76711**

The Department of Veterans Affairs (VA), Central Texas Veterans Health Care System plans to acquire an uninterruptible power supply (UPS) for Building 4, Waco Facility. The new UPS will replace the existing UPS and shall re-connect new UPS system to the building electrical power system and condition the building power to the critical equipment load.

Recommended offerors visit site prior to quoting in order to be fully acquainted with existing site conditions and scope of work. It is contractor responsibility to **field verify** all existing devices, cables, equipment, measurements, equipment room and areas provided in scope of work. All breaker, wires conduits and installation shall meet the NFPA 70. It is a turnkey project.

UL Listed UPS module shall contain rectifier, inverter, battery charger, make before break bypass switch, network communication card, power monitor panel. Also, battery cabinet shall include DC breakers.

The vendor shall provide UPS per following VA specifications and it is a turnkey project:

- The UPS Unit shall be UL Listed 50KVA, three phase, 480V input and 480V output with make before break static bypass switches rated for 50KVA
- Provide sidecar bypass single input 3 circuit breaker with 65kAIC
- UPS unit shall have 99% energy power efficiency and 0.9 load power factor
- Provide LCD multi display panel
- Provide a web/remote UPS monitoring system card and software and communication expansion option
- Provide battery remote monitor/management system, communication card and soft ware
- Provide battery management system to monitor each battery, battery cabinet, open battery string, capacity, temperature
- Harmonic distortion shall meet IEEE requirement
- Provide VRLA battery one string at least 24 minutes run time at 504KW full load
- Each UL Listed battery cabinet shall have a DC rated breaker
- Provide the battery charger system with the UPS unit
- The UPS system shall monitor and report the battery testing
- Include alarm outputs, communication card and soft ware, data monitoring system/program, remote monitoring program and alarm notification
- UPS shall communicate with battery cabinet and indicate battery capacity
- Provide the control alarm monitor panel display with communication port
- Provide on-site startup, testing, alarm verification, training, manual, one year warranty and one year maintenance service 24x7 with 4hour response time.
- Include pre-energize one site visit to provide guidance for installation/inspection
- All equipment shall be able to fit in existing room
- Deliver UPS and supporting equipment to the VA Waco OPC Building 4 at 4800 Memorial Dr, Waco.
- Remove existing UPS, batteries, battery cabinet and associated wire and conduit

- Install new 50KVA unit, make before break breaker cabinet, batteries and batteries cabinet in same room
- Provide and connect breakers, wires and conduits from new UPS cabinet to existing PDU electrical panels
- Start up and test all functions at UPS
- Provide the report
- All outages will be scheduled and coordinated weekend outage with a convenience of Government
- Remove and install UPS system shall be within one weekend and one day.
- Remove and properly dispose UPS unit and batteries