



UNITED STATES DISTRICT COURT

DISTRICT OF CONNECTICUT

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Hartford, CT 06103
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New Haven, CT 06510
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August 13, 2024

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Clerk

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Chief Deputy Clerk

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Human Resources Manager

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Division Manager, New Haven

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Michelle Rynne
Operations Analytics Manager and
Courthouse Construction Liaison

Dave Carr
Contracting Officer

Hartford MDF/Data Center Room EXM/BDC

Posting: CTD_EXM_BDC

Quotes due no later than: Close of business, August 30, 2024

Submit questions & quotes to: Christopher_Newton@ctd.uscourts.gov

The US District Court, District of Connecticut is requesting quotes for the items/services described below.

The District of Connecticut intends to make an award based on the **lowest priced, technically acceptable** quote.

Please provide a quote for the following (**components must be a Vertiv product**):

1x ITEM A - One (1) 20kVA / 20kW Liebert EXM UPS (+1 Redundant), model 47SA020CBCM2 (refer to attached document for detailed specifications) System Input Voltage of 480V, 60Hz, 3 Phase, 3 wire plus ground. System Output Voltage of 208/120V, 3 Phase, 4 wire plus ground

- Fixed Capacity 20kVA UPS System
- System includes One (1) 20kVA Redundant Power Module
- 208V Native Output Voltage
- Single Input Configuration
- Transformer-Free Architecture - Efficiency up to 95% in double conversion mode
- Unity Power Factor Rating - Delivers more usable power per kVA
- Load Power Factor Support - Supports loads 0.5 lagging to unity without derating
- Energy Optimization Mode (Eco-Mode)
- 65kAIC Rating - Provides interrupting rating and labeling of 65kA
- Active Power Factor Corrected IGBT Input Converter
- PWM transistorized (IGBT) inverter
- Continuous Duty Static Bypass Switch
- Input Contacts - Dry contacts are available for functions including monitoring external breakers, on-generator signal, and other functions
- Output Contacts - Dry contacts are available for functions including a permissive signal to maintenance bypass SKRU, to trip external breakers, and other functions
- Generator Load Control - Suppresses battery charging reducing power demand by an external signal. Shifts unit from Eco Mode to double conversion (if applicable), and synchronizes the inverter output with the bypass
- Automatic retransfer - Provides return to inverter power after an overload
- DSP based controls - Provides digital control of power conversion and system operation
- Backlit LCD display - Monitors power conversion, UPS operation and utility conditions. Deviations are logged for troubleshooting
- Temperature-Compensated Charging/Battery Load Test
- Top-and-bottom-entry cable access
- Front only service access
- Local Emergency Power Off (EPO)
- LIFE™ Services for the 1st year
- IP 20 enclosure
- Casters and leveling feet
- UL and cUL Listed to UL Standard 1778 5th Edition

Additional Items Include:

- One (1) IntelliSlot Unity Dual Protocol Card; P/N: IS-UNITY-DP; Monitoring and configuration of Vertiv products and environmental sensors through stand-alone Web UI or integration with Trellis™, Liebert Nform, LIFE™ Services. Supports third-party management systems using SNMP, Modbus or BACnet.
 - One (1) IS-RELAY Relay Contact Card
- Battery System, Internal to UPS Cabinet Includes:
- 22 Minutes at 20kW Load (Approximately 65 Minutes at 8kW load)
 - One (1) Internal String of Enersys HX205-FR Batteries

1x ITEM B - One (1) Liebert EXM Maintenance Bypass Cabinet, model 47MBE37AC3R1
(refer to attached document for specifications)

- 3 Switching Devices (BIB, MBB, MIB)
- Key Interlock (SKRU)
- Cabinet Mounted Right Attached to UPS Cabinet with connecting cables factory supplied
- 600 MM - 23.6 inches Frame Size
- 480V/ 208V Input Transformer Included
- Front Access service design
- One (1) 225 Amp, 54 pole SqD bolt/plug-in panelboard

1x ITEM C – Vertiv Standard Factory Testing w/ Certified Test Reports

1x ITEM D – Start Up Service by Vertiv Customer Engineer – 7x24

Mandatory Service Inclusion:

**Quote must include delivery inside rigging services to the 7th floor. Loading dock and freight elevator are available.

**Quote must include rigging removal services and disposal of three existing Liebert chassis on the 7th floor room. Units will be disconnected, and battery packs will be reduced to a safe 12v potential by on-site electrician prior to delivery of Item A and Item B above.

We are with the Federal Government and tax exempt.

Shipping Address:

Jeff Gerace
Room 746, Clerk's Office
450 Main Street
Hartford, CT 06103

Best,

Dave Carr
Contracting Officer
Dave_Carr@ctd.uscourts.gov

To: Chris Newton – US District Court

No. of Pages: 3

From: Corey Young – Vertiv Sales Engineer

Date: June 5, 2024

Subject: CT District Court – Hartford – UPS Replacement
Ref # CPQ-692613

Line	Part Number	Description	Quantity	Ext. Net price
A	47SA020CBCM2	Liebert EXM UPS Cabinet – 20kW + 1 Redundant	1	
B	47MBC37AC3R1	Liebert EXM Bypass / Transformer Cabinet	1	
C	CTD	Factory Testing w/ Certified Test Reports	1	
D	SUEXM10-40U7 & SPEXM10-200U7	On Site Start Up Service – 7x24	1	
E	Freight	Freight via Common Carrier – Loading Dock Delivery	1	

BILL OF MATERIAL:

ITEM A - One (1) 20kVA / 20kW Liebert EXM UPS (+1 Redundant), model 47SA020CBCM2, with the following features:

System Input Voltage of 480V, 60Hz, 3 Phase, 3 wire plus ground
System Output Voltage of 208/120V, 3 Phase, 4 wire plus ground

- Fixed Capacity 20kVA UPS System
- System includes One (1) 20kVA Redundant Power Module
- 208V Native Output Voltage
- Single Input Configuration
- Transformer-Free Architecture - Efficiency up to 95% in double conversion mode
- Unity Power Factor Rating - Delivers more usable power per kVA
- Load Power Factor Support - Supports loads 0.5 lagging to unity without derating
- Energy Optimization Mode (Eco-Mode)
- 65kAIC Rating - Provides interrupting rating and labeling of 65kA
- Active Power Factor Corrected IGBT Input Converter
- PWM transistorized (IGBT) inverter
- Continuous Duty Static Bypass Switch
- Input Contacts - Dry contacts are available for functions including monitoring external breakers, on-generator signal, and other functions
- Output Contacts - Dry contacts are available for functions including a permissive signal to maintenance bypass SKRU, to trip external breakers, and other functions
- Generator Load Control - Suppresses battery charging reducing power demand by an external signal. Shifts unit from Eco Mode to double conversion (if applicable), and synchronizes the inverter output with the bypass
- Automatic retransfer - Provides return to inverter power after an overload
- DSP based controls - Provides digital control of power conversion and system operation
- Backlit LCD display - Monitors power conversion, UPS operation and utility conditions. Deviations are logged for troubleshooting

- Temperature-Compensated Charging/Battery Load Test
- Top-and-bottom-entry cable access
- Front only service access
- Local Emergency Power Off (EPO)
- LIFE[™] Services for the 1st year
- IP 20 enclosure
- Casters and leveling feet
- UL and cUL Listed to UL Standard 1778 5th Edition

Monitoring Cards Include:

- One (1) IntelliSlot Unity Dual Protocol Card; P/N: IS-UNITY-DP; Monitoring and configuration of Vertiv products and environmental sensors through stand-alone Web UI or integration with Trellis[™], Liebert Nform, LIFE[™] Services. Supports third-party management systems using SNMP, Modbus or BACnet.
- One (1) IS-RELAY Relay Contact Card

Battery System, Internal to UPS Cabinet Includes:

- 22 Minutes at 20kW Load (Approximately 65 Minutes at 8kW load)
- One (1) Internal String of EnerSys HX205-FR Batteries

ITEM B - One (1) Liebert EXM Maintenance Bypass Cabinet, model 47MBE37AC3R1 with the following features:

- 3 Switching Devices (BIB, MBB, MIB)
- Key Interlock (SKRU)
- Cabinet Mounted Right Attached to UPS Cabinet with connecting cables factory supplied
- 600 MM - 23.6 inches Frame Size
- 480V/ 208V Input Transformer Included
- Front Access service design
- One (1) 225 Amp, 54 pole SqD bolt/plug-in panelboard ***(Branch Breakers NOT Included)***

ITEM C – Vertiv Standard Factory Testing w/ Certified Test Reports

ITEM D – Site Services Include the following:

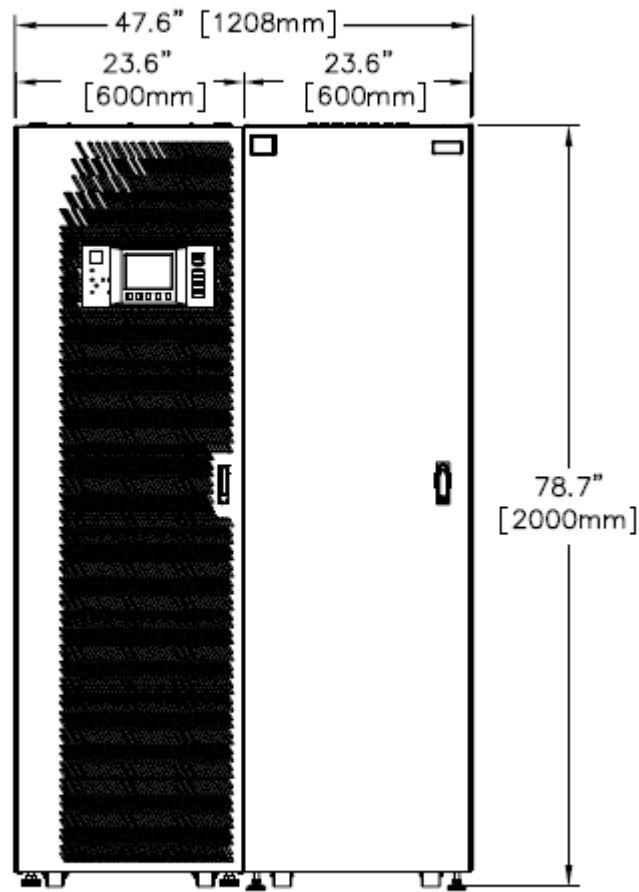
- Start Up Service by Vertiv Customer Engineer – 7x24

ITEM E – Freight Services Include the following:

- Freight via Common Carrier – Loading Dock Delivery
(Handling, rigging, installation and removal of old units are NOT included – by others)

System Depth = 39.1"

Front Access Only Required..!



UPS 1,790 lbs. BDC 1,632 lbs.

FRONT VIEW