1. Matching Battery Cabinet has same physical dimensions. (see doc #: 6001-032-05, -06, -07 for Battery Cabinet layouts).

2. Both Inverter and battery cabinet have top and sides conduit entry and same floor mounting hole dimensions.

3. Consult factory for size and number of battery cabinet.

4. Optional Seismic Brackets (P/N: 9100-1317-02) are available. When seismic bracket used, 8" minimum space required between cabinets. Anchoring hardware to be supply by customer.

5. Optional racks (P/N: 9100-1429-XX) available for stack battery cabinets. (see doc #: 6001-032-07).

6. Consult factory for different back-up times and number of battery cabinet required.

7. Air intake and exhaust can not be blocked, allow 4 inches minimum clearance right side of the unit.
1. Construction: Indoor NEMA 1. Matching Inverter Cabinet has same physical dimension.

2. Optional Seismic Brackets (P/N: 9100-1317-02) are available. When seismic bracket used, 8" minimum space required between cabinets. Anchoring hardware to be supplied by customer.

3. Optional racks (P/N: 9100-1429-XX) available for stack battery cabinets. (see doc #: 6001-032-07).

4. Air intake and exhaust cannot be blocked, allow 4 inches minimum clearance left side of the unit.

**NOTE:**

- (4) 0.68" Dia. Typ. Floor Mounting Holes
- (2) .75" or 1" Conduit knockouts
- (2) 1.5" or 2" Conduit knockouts
- (3) 1.5" or 2" Conduit knockouts
- (3) .75" or 1" Conduit knockouts
- Center of Gravity
- Battery CB
1. Service Clearance Areas are shaded. * with 150AH Batteries only, needs 6 battery cabinets for 120AH batteries

2. Each battery cabinet includes 1 C/B.

3. Each battery cabinet have top and both sides conduit entry and same floor mounting hole dimensions as Inverter cabinet. (See doc #: 6001-032-03 for detail).

4. Optional Seismic Brackets (P/N: 9100-1317-02) are available. When seismic bracket used, 8” min. space required between cabinets. Anchoring hardware to be supply by the customer.

5. Optional racks (P/N: 9100-1429-XX) available (except 40 kVA, 32 KW unit) for stack battery cabinets. (see doc #: 6001-032-07).

6. Consult factory for different back-up times and number of battery cabinet require.

**Typical Battery Cabinet**

**NOTE:**
1. Service Clearance Areas are shaded.
2. Each battery cabinet includes 1 C/B.
3. Each battery cabinet have top and both sides conduit entry and same floor mounting hole dimensions as Inverter cabinet. (See doc #: 6001-032-03 for detail).
4. Optional Seismic Brackets (P/N: 9100-1317-02) are available. When seismic bracket used, 8” min. space required between cabinets. Anchoring hardware to be supply by the customer.
5. Optional racks (P/N: 9100-1429-XX) available (except 40 kVA, 32 KW unit) for stack battery cabinets. (see doc #: 6001-032-07).
6. Consult factory for different back-up times and number of battery cabinet require.
1. Service Clearance Areas are shaded.
2. Each battery cabinet includes 1 C/B.
3. Each battery cabinet have top and both sides conduit entry and same floor mounting hole dimensions as Inverter cabinet. (See doc #: 6001-032-03 for detail).
4. Optional Seismic Brackets (P/N: 9100-1317-02) are available. When seismic bracket used, 8" min. space required between cabinets. Anchoring hardware to be supplied by the customer.
5. Optional racks (P/N: 9100-1429-XX) available (except 40 kVA, 32 KW unit) for stack battery cabinets. (See doc #: 6001-032-07).
6. Consult factory for different back-up times and number of battery cabinet require.

NOTE:
1. Battery Cabinet

<table>
<thead>
<tr>
<th>Cabinet</th>
<th>10 kVA, 8 kW</th>
<th>15 kVA, 12 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inverter Cabinet</td>
<td>Battery Cabinet 1</td>
<td>Battery Cabinet 2</td>
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<table>
<thead>
<tr>
<th>Cabinet</th>
<th>40 kVA, 32 kW</th>
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<table>
<thead>
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<th>Cabinet</th>
<th>50 kVA, 40 kW</th>
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<td>Inverter Cabinet</td>
<td>Battery Cabinet 1</td>
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<table>
<thead>
<tr>
<th>Cabinet</th>
<th>*40 kVA, 32 kW</th>
<th>*62.5 kVA, 50 kW</th>
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<tr>
<td>Inverter Cabinet</td>
<td>Battery Cabinet 1</td>
<td>Battery Cabinet 1</td>
</tr>
<tr>
<td>*Battery Cabinet 4</td>
<td>*Battery Cabinet 5</td>
<td>*Battery Cabinet 2</td>
</tr>
</tbody>
</table>

Removable Hutch to house 1 Battery for 40 kVA (32 kW) only (17.12"W x 11"H x 12"D)

NOTE: with 150AH Batteries only, needs 6 battery cabinets for 120AH batteries

Inverter & Battery Installation Configuration

**Typical Battery Cabinet**

- **10 kVA, 8 kW**
- **15 kVA, 12 kW**
- **20 kVA, 16 kW**
- **25 kVA, 20 kW**
- **30 kVA, 24 kW**
- **40 kVA, 32 kW** (Standard with Hutch)
- **50 kVA, 40 kW**
- **62.5 kVA, 50 kW**

**NOTE:**
1. Service Clearance Areas are shaded.
2. Each battery cabinet includes 1 C/B.
3. Each battery cabinet have top and both sides conduit entry and same floor mounting hole dimensions as Inverter cabinet. (See doc #: 6001-032-03 for detail).
4. Optional Seismic Brackets (P/N: 9100-1317-02) are available. When seismic bracket used, 8" min. space required between cabinets. Anchoring hardware to be supplied by the customer.
5. Optional racks (P/N: 9100-1429-XX) available (except 40 kVA, 32 KW unit) for stack battery cabinets. (See doc #: 6001-032-07).
6. Consult factory for different back-up times and number of battery cabinet require.

**Typical Battery Cabinet**

- **10 kVA, 8 kW**
- **15 kVA, 12 kW**
- **20 kVA, 16 kW**
- **25 kVA, 20 kW**
- **30 kVA, 24 kW**
- **40 kVA, 32 kW** (Standard with Hutch)
- **50 kVA, 40 kW**
- **62.5 kVA, 50 kW**

**NOTE:** with 150AH Batteries only, needs 6 battery cabinets for 120AH batteries
NOTE:
1. Stackable Rack is not available for 40 kVA, 32 kW units with Hutch option.
2. Service Clearance Areas are shaded.
3. Each battery cabinet includes 1 C/B.
4. Each battery cabinet have top and both sides conduit entry and same floor mounting hole dimensions as Inverter cabinet. (see doc #: 6001-032-03 for detail).
5. Optional Seismic Brackets (P/N: 9100-1317-02) are available. When seismic bracket used, 8” min. space required between cabinets. Anchoring hardware to be supply by the customer.
6. Consult factory for different back-up times and number of battery cabinet require.
7. The Inverter cabinet can be installed on left or right.

Optional Racks (P/N: 9100-1429-XX)

*62.5 kVA, 50 kW

* with 150AH Batteries only, needs 6 battery cabinets for 120AH batteries

Inverter & Battery Installation Configuration

Stackable Rack
51” Wide Battery Cabinet

KNOCK OUT FOR 1”, 1.5” & 2” CONDUIT (TYP)

TOP VIEW

BOTTOM

TOP

SIDE

FRONT

LEFT

RIGHT

UPS CABINET

BATTERY CABINET

STD VRLA BATTERY

<table>
<thead>
<tr>
<th>KVA</th>
<th>UPS CAB Qty</th>
<th>BATT CAB Qty</th>
<th>TOTAL BATT</th>
<th>BATT AH</th>
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</table>
with 51” Wide Battery Cabinet

LAYOUT CONFIGURATION #1

15KVA, 12KW
20KVA, 16KW
25KVA, 20KW
30KVA, 24KW

40KVA, 32KW
50KVA, 40KW
62.5KVA, 50KW (USING 150 A/H)

62.5KVA, 50KW
(USING 120 A/H)
with 51” Wide Battery Cabinet

LAYOUT CONFIGURATION #2

15KVA, 12KW
20KVA, 16KW
25KVA, 20KW
30KVA, 24KW

BATTERY CABINET #1

UPS CABINET

20KVA, 16KW
25KVA, 20KW
30KVA, 24KW

UPS CABINET

BATTERY CABINET #1

UPS CABINET

BATTERY CABINET #2

UPS CABINET

BATTERY CABINET #3

62.5KVA, 50KW
(USING 120 A/H)

62.5KVA, 50KW (USING 150 A/H)

40KVA, 32KW
50KVA, 40KW

UPS CABINET

BATTERY CABINET #2

BATTERY CABINET #3
3 PHASE INVERTER
WITH 90 MIN. BATT.

LONG LIFE BATTERY

10kVA (8kW)
Using 51" Wide Battery Cabinet for Long Life Batteries

### Long Life Battery

<table>
<thead>
<tr>
<th>KVA</th>
<th>KW</th>
<th>UPS CAB QTY</th>
<th>BATT CAB QTY</th>
<th>TOTAL BATT</th>
<th>BATT STRG</th>
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<td>138</td>
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</tr>
</tbody>
</table>

### Battery Cabinet

- **Top View**
- **Side View**
- **Front View**
- **Left View**
- **Right View**
- **Bottom View**

**UPS Cabinet**

- **KNOCK OUT FOR 1", 1-1/2" & 2" CONDUIT (TYP)**
- **DIMENSIONS ARE IN INCHES. ± 1/64 FRACTIONS TOLERANCES ARE: DECIMALS .XX ± .03 .XXX ± .010 UNLESS OTHERWISE SPECIFIED, ANGLES ± 1/2∞**

**Specifications Subject to Change Without Notice**
Using 51” Wide Battery Cabinet for Long Life Batteries

LAYOUT CONFIGURATION #1

- 15KVA, 12KW
- 20KVA, 16KW
- 25KVA, 20KW
- 30KVA, 24KW
- 40KVA, 32KW
- 50KVA, 40KW
- 62.5KVA, 50KW
Using 51” Wide Battery Cabinet for Long Life Batteries

**LAYOUT CONFIGURATION #2**

- 15KVA, 12KW
- 20KVA, 16KW
- 25KVA, 20KW
- 30KVA, 24KW
- 40KVA, 32KW
- 50KVA, 40KW
- 62.5KVA, 50KW

**UPS CABINET**

**BATTERY CABINET #1**

**BATTERY CABINET #2**

**BATTERY CABINET #3**
Optional External Wrap-around Bypass Switch is available.

Line removed when External Reserve Input Power is in use.
Use for different Input and Output Voltage unit.

NOTE: Optional External Wrap-around Bypass Switch is available.
RESERVE INPUT POWER SOURCE

- Line removed when External Reserve Input Power is in use.
- Use for different Input and Output Voltage unit.
- Reserve input voltage must be same as Inverter output voltage.

NOTE: Optional External Wrap-around Bypass Switch is available.
Optional External Δ - WYE XFMR when the reserve is 3 wire Delta input.
NOTES:
1) POSITION ALL BATTERIES AS SHOWN.
2) PLACE SPACER (ITEM 2) IN BETWEEN THE LONG SIDE OF BATTERIES.
3) CAREFULLY OBSERVE BATTERY POLARITY WHEN MAKING BATTERY CONNECTION.
4) ALL CONNECTIONS SHOWN IN DOTTED LINES TO BE PROVIDED BY CUSTOMER.
5) MAX. DC CURRENT: 150 AMPS
6) BATTERY STRINGS:
   STRING A = BATTERY 1A THRU 46A
   STRING B = BATTERY 1B THRU 46B
7) LABEL BATTERY NUMBERS AS SHOWN.
8) BATTERY TORQUE: 100 IN-LBS.