WEIGHT AND CENTER OF GRAVITY (INSTALLED)

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>WEIGHT Kg (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>128S</td>
<td>325</td>
<td>12.8</td>
<td>326</td>
<td>958.9</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>137.8</td>
</tr>
<tr>
<td>136S</td>
<td>325</td>
<td>12.8</td>
<td>326</td>
<td>958.9</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>137.8</td>
</tr>
</tbody>
</table>

PACKAGED WEIGHT: 490.27 Kg (1080 lbs) for packaging materials

PACKAGED RACK DIMENSIONS

<table>
<thead>
<tr>
<th>PALLET WIDTH</th>
<th>PALLET DEPTH</th>
<th>OVERALL HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1110 [43.7]</td>
<td>1130 [44.5]</td>
<td>2190 [86.2]</td>
</tr>
</tbody>
</table>

PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>BATTERY CABINET MODEL</th>
<th>DC VOLTAGE OUTPUT, V (NOMINAL)</th>
<th>BATTERY NAMEPLATE kWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>128S1P</td>
<td>486.4 V</td>
<td>32.6 kWh</td>
</tr>
<tr>
<td>136S1P</td>
<td>516.8 V</td>
<td>34.6 kWh</td>
</tr>
</tbody>
</table>

HEAT OUTPUT: 567 BTU

NOTES

1. THE SYSTEM MUST BE INSTALLED ON A LEVEL FLOOR SURFACE
2. THE SYSTEM MUST BE INSTALLED IN A TEMPERATURE AND HUMIDITY CONTROLLED INDOOR AREA FREE OF CONDUCTIVE CONTAMINANTS.
3. AMBIENT TEMPERATURE: 18-28°C [64-83°F], RELATIVE HUMIDITY: 5%-95% NON-CONDENSING.
4. WEIGHTS DO NOT INCLUDE CUSTOMER WIRING.
5. MINIMUM 914mm [36"] FRONT ACCESS NEEDED FOR SERVICING.
6. VENTILATION IS BY MEANS OF NATURAL CONVECTION.
7. ALL WIRING IS TO BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES.
8. POWER HOOKUP TO UPS: POSITIVE, NEGATIVE, GROUND.
9. SPECIFICATIONS ARE SUBJECT TO CHANGE.
10. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].

WEIGHT AND CENTER OF GRAVITY (INSTALLED)

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>WEIGHT Kg (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>128S</td>
<td>325</td>
<td>12.8</td>
<td>326</td>
<td>958.9</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>137.8</td>
</tr>
<tr>
<td>136S</td>
<td>325</td>
<td>12.8</td>
<td>326</td>
<td>958.9</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>137.8</td>
</tr>
</tbody>
</table>

PACKAGED WEIGHT: 490.27 Kg (1080 lbs) for packaging materials

PACKAGED RACK DIMENSIONS

<table>
<thead>
<tr>
<th>PALLET WIDTH</th>
<th>PALLET DEPTH</th>
<th>OVERALL HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1110 [43.7]</td>
<td>1130 [44.5]</td>
<td>2190 [86.2]</td>
</tr>
</tbody>
</table>

PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>BATTERY CABINET MODEL</th>
<th>DC VOLTAGE OUTPUT, V (NOMINAL)</th>
<th>BATTERY NAMEPLATE kWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>128S1P</td>
<td>486.4 V</td>
<td>32.6 kWh</td>
</tr>
<tr>
<td>136S1P</td>
<td>516.8 V</td>
<td>34.6 kWh</td>
</tr>
</tbody>
</table>

HEAT OUTPUT: 567 BTU

NOTES

1. THE SYSTEM MUST BE INSTALLED ON A LEVEL FLOOR SURFACE
2. THE SYSTEM MUST BE INSTALLED IN A TEMPERATURE AND HUMIDITY CONTROLLED INDOOR AREA FREE OF CONDUCTIVE CONTAMINANTS.
3. AMBIENT TEMPERATURE: 18-28°C [64-83°F], RELATIVE HUMIDITY: 5%-95% NON-CONDENSING.
4. WEIGHTS DO NOT INCLUDE CUSTOMER WIRING.
5. MINIMUM 914mm [36"] FRONT ACCESS NEEDED FOR SERVICING.
6. VENTILATION IS BY MEANS OF NATURAL CONVECTION.
7. ALL WIRING IS TO BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES.
8. POWER HOOKUP TO UPS: POSITIVE, NEGATIVE, GROUND.
9. SPECIFICATIONS ARE SUBJECT TO CHANGE.
10. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
CUSTOMER SUPPLIED WIRING, TOP INTERCONNECT ASSEMBLY

<table>
<thead>
<tr>
<th>Recommended Minimum Wire Size for 75 deg C Copper</th>
<th>Recommended Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Wires 4/0 AWG (3 PER POLE)</td>
<td>519 IN-LB</td>
</tr>
<tr>
<td>Ground Wires 4/0 AWG</td>
<td>519 IN-LB</td>
</tr>
<tr>
<td>Control Wires (TB1)</td>
<td>159 IN-LB</td>
</tr>
<tr>
<td>480 VAC UPS Power (TB2)</td>
<td>159 IN-LB</td>
</tr>
</tbody>
</table>

**NOTE**

1. EACH TYPE S BATTERY SYSTEM REQUIRES A MINIMUM OF ONE 400-500 VAC THREE-PHASE CIRCUIT TO PROVIDE AUXILIARY POWER TO THE SYSTEM RAM.

2. FOR 480 VAC UPS APPLICATIONS, THE BATTERY CABINET IS WIRED DIRECTLY TO A 480 VAC SOURCE.

3. FOR 208/220 VAC UPS APPLICATIONS, THE TOP WIRING KIT INCLUDES TRANSFORMERS TO STEP UP TO 480 VAC.

4. THESE CIRCUITS MUST BE PROTECTED BY A LISTED 15A DEVICE (CIRCUIT BREAKER OR FUSE).

5. source 1 (required) shall be provided from the UPS output distribution; source 2 (optional) shall be provided from the UPS bypass input.

6. FOR PARALLEL BATTERY CABINETS, THE AC SOURCES CAN BE PROVIDED TO ONLY THE "MASTER" CABINET TO PROVIDE POWER FROM THERE TO THE PARALLEL CABINETS USING THE SUPPLIED INTERCONNECT HARNESSING.

TOP WIRING INTERFACE BOX

- 480 VAC UPS APPLICATIONS

TERMINAL BLOCK (TB-1)

- TB-1 SOURCE 1 LI
- TB-2 SOURCE 1 LI
- TB-3 SOURCE 2 LI
- TB-4 SOURCE 2 LI
- TB-5 SOURCE 3 LI
- TB-6 SOURCE 3 LI
- TB-7 SOURCE 1 LI
- TB-8 SOURCE 2 LI

TERMINAL BLOCK (TB-2)

- TB-1 SOURCE 1 LI
- TB-2 SOURCE 1 LI
- TB-3 SOURCE 2 LI
- TB-4 SOURCE 2 LI
- TB-5 SOURCE 3 LI
- TB-6 SOURCE 3 LI
- TB-7 SOURCE 1 LI
- TB-8 SOURCE 2 LI

14 AWG HARNESS CONNECTING TB-1 & TB-2 WITH AUTO TRANSFORMER (P-152002119) FOR 208/220V ONLY

**COVER AND BUS BAR INSULATORS REMOVED FOR CLARITY**

EATON CORPORATION
128S CONFIGURATION
BATTERY CABINET
ONE LINE

+ MODULE 16
+ MODULE 15
+ MODULE 14
+ MODULE 13
+ MODULE 12
+ MODULE 11
+ MODULE 10
+ MODULE 9

- MODULE 1
- MODULE 2
- MODULE 3
- MODULE 4
- MODULE 5
- MODULE 6
- MODULE 7
- MODULE 8

136S CONFIGURATION
BATTERY CABINET
ONE LINE

+ MODULE 17
+ MODULE 16
+ MODULE 15
+ MODULE 14
+ MODULE 13
+ MODULE 12
+ MODULE 11
+ MODULE 10
+ MODULE 9

- MODULE 1
- MODULE 2
- MODULE 3
- MODULE 4
- MODULE 5
- MODULE 6
- MODULE 7
- MODULE 8

DESCRIPTION: SAMSUNG BATTERY CABINET / TOP WIRING INTERCONNECT SITE PLAN
DIMENSIONS ARE IN MILLIMETERS AFTER PLATING, DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994. SEE NOTES FOR TOLERANCES.