## CapSwitcher® CLOSING RESISTOR SELECTION CHART

<table>
<thead>
<tr>
<th>Applied Voltage (kV)</th>
<th>Bank Size (MVAR)</th>
<th>Closing Resistor Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.5</td>
<td>1 to 2</td>
<td>45 ohm ^1</td>
</tr>
<tr>
<td></td>
<td>2.1 to 4.0</td>
<td>24 ohm ^2</td>
</tr>
<tr>
<td></td>
<td>4.1 to 7.5</td>
<td>12 ohm</td>
</tr>
<tr>
<td></td>
<td>7.6 to 15.0</td>
<td>6 ohm</td>
</tr>
<tr>
<td>27</td>
<td>1.5 to 3</td>
<td>90 ohm</td>
</tr>
<tr>
<td></td>
<td>3.1 to 6</td>
<td>45 ohm ^1</td>
</tr>
<tr>
<td></td>
<td>6.1 to 11</td>
<td>24 ohm ^2</td>
</tr>
<tr>
<td></td>
<td>11.1 to 22</td>
<td>12 ohm</td>
</tr>
<tr>
<td></td>
<td>22.1 to 30</td>
<td>10 ohm ^3</td>
</tr>
<tr>
<td>38</td>
<td>3 to 5</td>
<td>90 ohm</td>
</tr>
<tr>
<td></td>
<td>5.1 to 9</td>
<td>60 ohm</td>
</tr>
<tr>
<td></td>
<td>9.1 to 15</td>
<td>30 ohm</td>
</tr>
<tr>
<td></td>
<td>15.1 to 25</td>
<td>20 ohm</td>
</tr>
<tr>
<td></td>
<td>25.1 to 40</td>
<td>12 ohm</td>
</tr>
<tr>
<td>48.3</td>
<td>4 to 18</td>
<td>40 ohm</td>
</tr>
<tr>
<td></td>
<td>18.1 to 48</td>
<td>20 ohm</td>
</tr>
<tr>
<td>72.5</td>
<td>5 to 20</td>
<td>80 ohm</td>
</tr>
<tr>
<td></td>
<td>20.1 to 72</td>
<td>40 ohm</td>
</tr>
<tr>
<td>123</td>
<td>15 to 40</td>
<td>150 ohm</td>
</tr>
<tr>
<td></td>
<td>40.1 to 75</td>
<td>75 ohm</td>
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<tr>
<td></td>
<td>75.1 to 130</td>
<td>37.5 ohm</td>
</tr>
<tr>
<td>145</td>
<td>10 to 25</td>
<td>300 ohm</td>
</tr>
<tr>
<td></td>
<td>25.1 to 60</td>
<td>150 ohm</td>
</tr>
<tr>
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<td>60.1 to 120</td>
<td>75 ohm</td>
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<tr>
<td></td>
<td>120.1 to 155</td>
<td>37.5 ohm</td>
</tr>
<tr>
<td>170</td>
<td>18 to 30</td>
<td>300 ohm</td>
</tr>
<tr>
<td></td>
<td>30.1 to 75</td>
<td>150 ohm</td>
</tr>
<tr>
<td></td>
<td>75.1 to 181</td>
<td>75 ohm</td>
</tr>
</tbody>
</table>

### Notes:

1. 40 ohm resistor supplied on CAP38M and CAP72 design platforms.
2. 30 ohm resistor supplied on CAP38M and CAP72 design platforms.
3. Only available with the CAP38M and CAP72 design platforms.
4. If you have a capacitor bank size not shown in the table above for one of these kW ratings please contact Southern States for closing resistor values and provide the bank size in MVAR adn the kW rating of the installation.
5. Additionally, if desired Southern States can analyze a customer’s specific installation and recommend a resistor size based upon that installation specific requirements (i.e. kW rating of the installation, single bank switching or back-to-back switching, bank size, sequence in which banks are added - for back to back applications-, etc.)