The CP-C.1 power supplies are ABB’s high-performance and most advanced range. With excellent efficiency, high reliability and innovative functionality it is prepared for the most demanding industrial applications. These power supplies have an integrated power reserve of up to 50% and operate at an efficiency of up to 94%. They are equipped with overheat protection and active power factor correction. Combined with a broad AC and DC input voltage range and extensive worldwide approvals the CP-C.1 power supplies are the preferred choice for professional DC applications. Additional versions with coated PCBAs and ATEX certification are available.

**Continuous operation**
- Power reserve design to allow performance with up to 50% more current than rated
- True redundant setup possible with redundancy unit
- Long lifetime
- High peak currents for switching on capacitive loads are supported

**Project cost reduction**
- Up to 94% efficiency saves money for energy during operation
- Less need for external cooling in the cabinet
- Small size to reduce space needed in panel

**Harsh environment**
- Applicable in environments from -25°C (-40°C coated versions) to +70°C
- High MTBF values
**Ordering details CP-C.1**

<table>
<thead>
<tr>
<th>Input voltage range</th>
<th>Rated output voltage current</th>
<th>Type</th>
<th>PCBA</th>
<th>Order code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24 V DC / 5 A</td>
<td>CP-C.1 24 / 5.0</td>
<td>uncoated</td>
<td>1SVR360563R1001</td>
</tr>
<tr>
<td></td>
<td>24 V DC / 10 A</td>
<td>CP-C.1 24 / 10.0</td>
<td>uncoated</td>
<td>1SVR360663R1001</td>
</tr>
<tr>
<td></td>
<td>24 V DC / 20 A</td>
<td>CP-C.1 24 / 20.0</td>
<td>uncoated</td>
<td>1SVR360763R1001</td>
</tr>
<tr>
<td>100-240 V AC, 90-300 V DC</td>
<td>24 V DC / 5 A</td>
<td>CP-C.1 24 / 5.0-C</td>
<td>coated</td>
<td>1SVR360563R2001</td>
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<td>CP-C.1 24 / 10.0-C</td>
<td>coated</td>
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<td></td>
<td>24 V DC / 20 A</td>
<td>CP-C.1 24 / 20.0-C</td>
<td>coated</td>
<td>1SVR360763R2001</td>
</tr>
</tbody>
</table>

**Achieve true redundancy provided by the CP-C.1-A-RU**

The redundancy unit CP-C.1-A-RU increases the operational reliability and eliminates power supply outages. It provides decoupling of two CP-C.1 power supply units and automatic redundant power supply operation for critical applications. The CP-C.1-A-RU and has two inputs, each up to 20 A, and one output up to 40 A.

**Ordering Details Redundancy Unit**

<table>
<thead>
<tr>
<th>Input voltage range</th>
<th>Redundancy for</th>
<th>Type</th>
<th>PCBA</th>
<th>Order code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-240 V AC, 90-300 V DC</td>
<td>24 V DC / 40 A</td>
<td>CP-C.1-A-RU</td>
<td>uncoated</td>
<td>1SVR360060R1001</td>
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</tbody>
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**Additional Information**

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