Allen-Bradley Dynamic Sag Correctors (DySC) from Rockwell Automation are unique and exclusive industrial power quality solutions that protect against voltage sags and momentary outages that account for a significant amount of manufacturing downtime and damaged equipment. They do the job with no batteries, no moving parts and virtually no maintenance, making them ideal for critical manufacturing processes and sensitive electronics that require sag ride-through protection for up to 5 seconds. And the DySC is so efficient that it virtually pays for itself in energy savings alone, when compared to other power quality technologies. If you want to maximize facility uptime, you’ll want to look at DySC solutions.

**Features and Benefits:**

**Prevents Downtime**
- Protects against short-term voltage sags and interruptions that can impact production

**Prevents Damage to Equipment**
- Poor power quality can cause immediate and/or long-term damage to sensitive electrical equipment

**Scalable Solution**
- Machine to facility-wide protection
- Single- and Three-phase portfolio

**Up to 5 Seconds of Ride-Through**
- Most power quality events are of a short duration and a DySC solution can protect equipment against the vast majority of these events

**Protects to 0 Volts**
- DySC can protect against brief, complete voltage loss

**Battery-free Solution**
- Eliminates requirement to swap batteries every 3-5 years
- Environmentally friendly

* Each DySC uses patented double conversion inverter technology that protects against voltage sags and momentary outages

* maintenance bypass not included in all units
<table>
<thead>
<tr>
<th>Amp Range</th>
<th>1608N Mini DySC</th>
<th>1608P Pro DySC</th>
<th>1608M Mega DySC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Range</td>
<td>120 - 240V</td>
<td>208 - 480V</td>
<td>208 - 480V</td>
</tr>
<tr>
<td>Power Range</td>
<td>0.25 - 14 kVA</td>
<td>10 - 165 kVA</td>
<td>333 - 2000 kVA</td>
</tr>
<tr>
<td>Mounting</td>
<td>Din rail/Panel</td>
<td>Panel/Floor</td>
<td>Floor</td>
</tr>
<tr>
<td>Phases</td>
<td>1 phase</td>
<td>3 phase</td>
<td>3 phase</td>
</tr>
<tr>
<td>Ride-Through</td>
<td>Up to 5 seconds</td>
<td>Up to 5 seconds</td>
<td>Up to 5 seconds</td>
</tr>
<tr>
<td>Applications</td>
<td>Controls, component level</td>
<td>Small machine, drives</td>
<td>Process, bus level</td>
</tr>
<tr>
<td>Batteries</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Energy Efficiency</td>
<td>96+%</td>
<td>99+%</td>
<td>99+%</td>
</tr>
<tr>
<td>Maintenance</td>
<td>Minimal</td>
<td>Minimal</td>
<td>Minimal</td>
</tr>
<tr>
<td>Enclosure</td>
<td>NEMA 1 (IP20)</td>
<td>NEMA 1 (IP20)</td>
<td>NEMA 1 (IP20)</td>
</tr>
<tr>
<td>Temp Rating</td>
<td>0 - 40 °C</td>
<td>0 - 40 °C</td>
<td>0 - 40 °C</td>
</tr>
</tbody>
</table>

DySC Voltage Sag Correction

Sample Catalog Number: 1608N – 025A – 120V – 2 – S

<table>
<thead>
<tr>
<th>Bulletin Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
</tr>
<tr>
<td>N</td>
</tr>
<tr>
<td>P</td>
</tr>
<tr>
<td>M</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
</tr>
<tr>
<td>a</td>
</tr>
<tr>
<td>b</td>
</tr>
<tr>
<td>c</td>
</tr>
<tr>
<td>d</td>
</tr>
<tr>
<td>e</td>
</tr>
<tr>
<td>f</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Run Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
</tr>
<tr>
<td>S</td>
</tr>
<tr>
<td>E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
</tr>
<tr>
<td>blank</td>
</tr>
<tr>
<td>-R</td>
</tr>
<tr>
<td>-HC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Amp Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
</tr>
<tr>
<td>002A</td>
</tr>
<tr>
<td>003A</td>
</tr>
<tr>
<td>006A</td>
</tr>
<tr>
<td>012A</td>
</tr>
<tr>
<td>025A</td>
</tr>
<tr>
<td>050A</td>
</tr>
<tr>
<td>100A</td>
</tr>
<tr>
<td>110A</td>
</tr>
<tr>
<td>200A</td>
</tr>
<tr>
<td>400A</td>
</tr>
<tr>
<td>800A</td>
</tr>
<tr>
<td>1K2A</td>
</tr>
<tr>
<td>1K6A</td>
</tr>
<tr>
<td>2K0A</td>
</tr>
<tr>
<td>2K4A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Line Voltage AC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
</tr>
<tr>
<td>120V</td>
</tr>
<tr>
<td>208V</td>
</tr>
<tr>
<td>220V</td>
</tr>
<tr>
<td>230V</td>
</tr>
<tr>
<td>240V</td>
</tr>
<tr>
<td>380V</td>
</tr>
<tr>
<td>400V</td>
</tr>
<tr>
<td>415V</td>
</tr>
<tr>
<td>440V</td>
</tr>
<tr>
<td>460V</td>
</tr>
<tr>
<td>480V</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wiring Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
</tbody>
</table>

* The catalog number breakdown is for explanation purposes only. It is not a product configuration. Not all combinations of fields may be valid part numbers.