

## Allen-Bradley DySC<sup>®</sup> Voltage Sag Protector

### 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

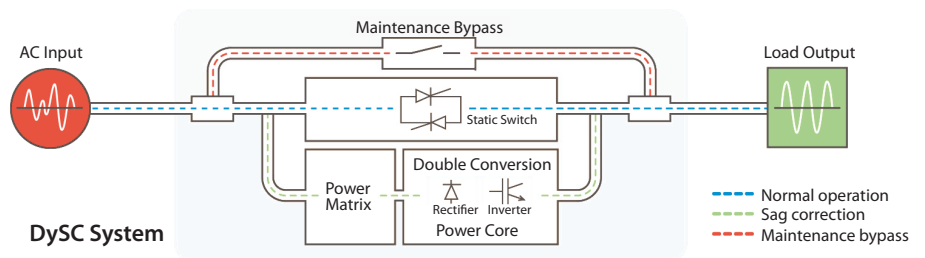
- Eliminates requirement to swap batteries every 3-5 years
- Environmentally friendly

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



### The Solution to Voltage Sags

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 amounts 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.



\* maintenance bypass not included in all units

LISTEN.  
THINK.  
SOLVE.

	1608N Mini DySC	1608P Pro DySC	1608M Mega DySC
Amp Range	1 - 50 A	25 - 200 A	400 - 2400 A
Voltage Range	120 - 240V	208 - 480V	208 - 480V
Power Range	0.25 - 14 kVA	10 - 165 kVA	333 - 2000 kVA
Mounting	Din rail/Panel	Panel/Floor	Floor
Phases	1 phase	3 phase	3 phase
Ride-Through	Up to 5 seconds	Up to 5 seconds	Up to 5 seconds
Applications	Controls, component level	Small machine, drives	Process, bus level
Batteries	None	None	None
Energy Efficiency	96+%	99+%	99+%
Maintenance	Minimal	Minimal	Minimal
Enclosure	NEMA 1 (IP20)	NEMA 1 (IP20)	NEMA 1 (IP20)
Temp Rating	0 - 40 °C	0 - 40 °C	0 - 40 °C

## DySC Voltage Sag Correction

Sample Catalog Number **1608** **N** - **025A** **120V** **2** **S** **■**  
*a b c d e f*

<i>a</i> Bulletin Number		<i>b</i> Amp Rating		<i>c</i> Line Voltage AC		<i>d</i> Wiring Type	
Code	Description	Code	Description	Code	Description	Single Phase	
N	Mini DySC – Single-Phase Voltage Sag Correction	002A	2 A	120V	120 VAC	Code	Description
P	Pro DySC – Three-Phase Voltage Sag Correction	003A	3 A	208V	208 VAC	1	L-L
M	Mega DySC – Three-Phase Voltage Sag Correction System	006A	6 A	220V	220 VAC	2	L-N
		012A	12 A	230V	230 VAC	Three Phase	
		025A	25 A	240V	240 VAC	3	3-Wire
		050A	50 A	380V	380 VAC	4	4-Wire
		100A	100 A	400V	400 VAC		
		110A	110 A	415V	415 VAC		
		200A	200 A	440V	440 VAC		
		400A	400 A	460V	460 VAC		
		800A	800 A	480V	480 VAC		
		1K2A	1200 A				
		1K6A	1600 A				
		2K0A	2000 A				
		2K4A	2400 A				

<i>e</i> Run Time		<i>f</i> Options	
Code	Description	Code	Description
S	Standard	blank	None
E	Extended	-R	Rack-mounted
		-HC	Healthcare

\* 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.

Allen-Bradley, DySC, LISTEN. THINK. SOLVE. and Rockwell Software are trademarks of Rockwell Automation, Inc. Trademarks not belonging to Rockwell Automation are property of their respective companies.

[www.rockwellautomation.com](http://www.rockwellautomation.com)

### Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846