

Touchscreen Operator Station provides:

EVENT LOGGING (SAG COUNTER, SAGE COUNTER, UPTIME COUNTER, REAL-TIME STATUS)

OPERATION LOG AND DETAILS

GRAPHIC REPORTING DISPLAY

ONLINE DIAGNOSTICS

PASSWORD PROTECTION

SCREEN SIZE

(Touchscreen diagonal = 5.7")

Communication ports:

RS232, DRY CONTACTS

Ideal machine-level protection for:

MULTIPLE COMPONENTS

CONTROL PANELS

ROBOTS

OVENS

CNC

EXTRUDERS

PUMPS

PACKAGING MACHINES

FILLERS

DRYERS

MATERIAL HANDLING

SERVOES

VFDs

TRANSFER LINES

PALLETIZERS

PRO DySC®

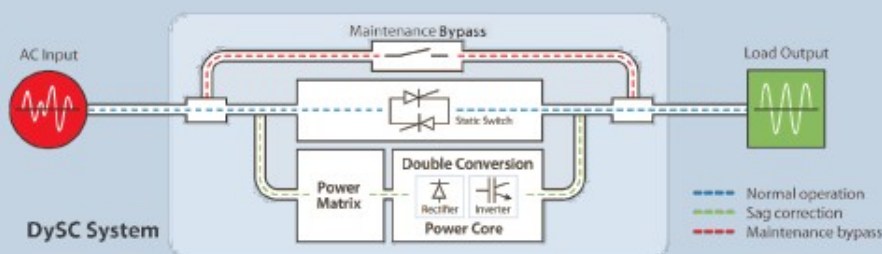
ProDySC, for machine-level protection of your process. And your peace of mind.

A split-second voltage sag may not seem like a major concern, but these unexpected outages can throw carefully calibrated machines offline and account for 30% of all manufacturing downtime. The solution: ProDySC Dynamic Sag Corrector. ProDySC guards against voltage sags at the machine level of your process, without the energy costs and battery care issues of other systems. To maintain productivity and profitability, use ProDySC.

DySC Protection Features

- Proprietary "Double Conversion" Power Core—dCPC
- Fastest Sag Detection and Response Time
 - DySC is optimized for fast response at voltage peaks, with a typical peak voltage detect time (pVdT) of 1 ms.
 - Sags are corrected with a peak voltage response time (pVrT) of 1.5 ms—1/10th of a cycle, including detection time.
- Adaptive Frequency Management (aFM) and auto-select of ~50 Hz or ~60 Hz with advanced digital phase locked loop synchronization (PLL)
- True Sinusoidal Reconstruction (tSR)

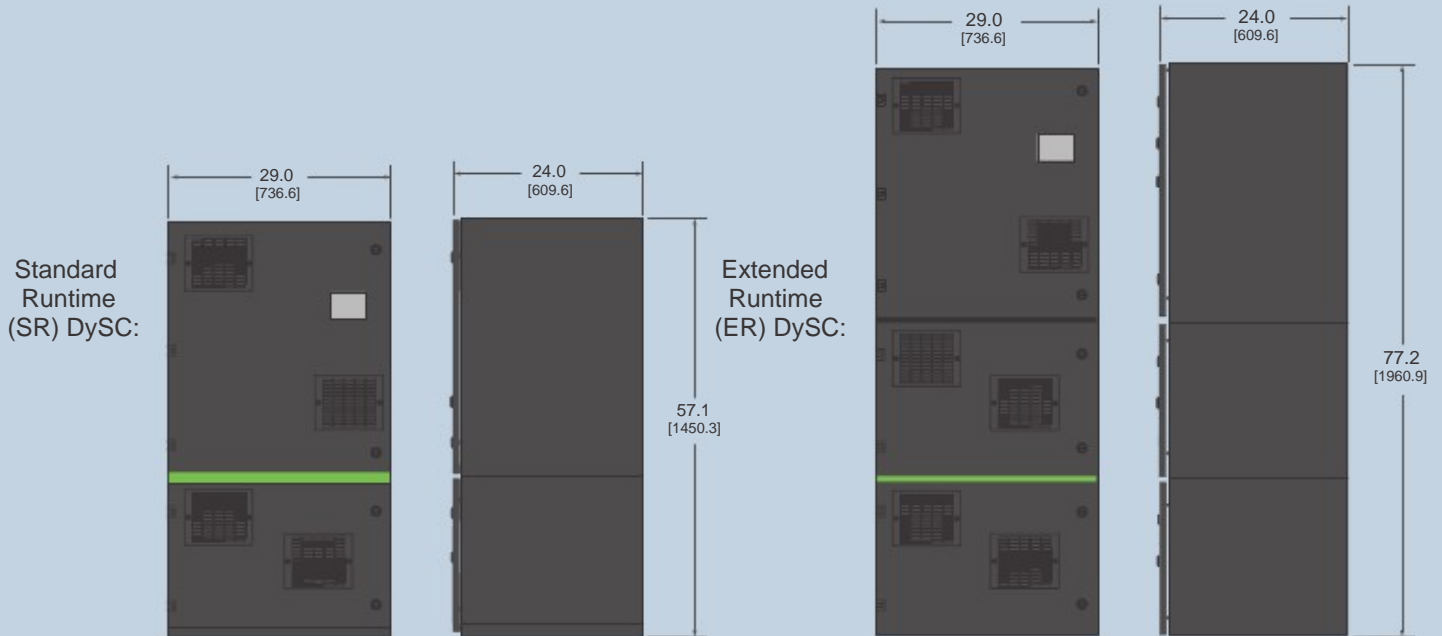
Theory of Operation



SoftSwitching Technologies®

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Dimensions (in inches; millimeters in brackets)



Technical Specifications

Electrical Specifications (Typical)*

Input/Output Voltage	200, 208, 220, 230, 240, 380, 400, 415, 440, 460, 480
Frequency	50/60 Hz auto-sensing
Phase (Wiring)	3 phase (3- or 4-wire with ground)
Detection Voltage	-13% of rated input voltage
Response Time	.7 ms detection, 1.2 ms inverter reaction (<2 ms)
Current Distortion	Unchanged, determined by the load
Output Current	100 amps
Output Capacity	35– 83 kVA
Output Overload (Current)	150% for 30 sec, 400% for 5 sec, 600% for 0.5 sec
Efficiency	>99%
Correction Time	3 phase (87% to 50% remaining): 5 sec 2 phase (30% remaining): 5 sec 1 phase (0% remaining): 5 sec 5 sec runtime in the first minute, followed by 2 sec per minute thereafter; 5 sec runtime is available again after 5 min idle. 3 phase (0% remaining): 40-50 ms (SR), 160-200 ms (ER)

Waveform True sine wave

* Specifications are typical and subject to change without notice due to continuing product improvement programs.

Mechanical (Typical)*

Enclosure	NEMA 1 (IP20), see figures for dimensions (approx.)
Accessibility (Wiring)	Front of panel terminations, top and bottom access
Weight lbs (kg)	SR: 600 lbs (272 kg); ER: 750 lbs (340 kg)

Environmental

Ambient Temp.	0°–40°C (32°–104°F)
Storage Temp.	-40°–75°C (- 40°–167°F)
Relative Humidity	0 to 95%, noncondensing
Heat Dissipation	2,800 BTU/hr. (max)
Cooling	Thermal controlled forced air
Altitude	1000 m (3,300 ft) without load derating
Audible Noise	<55 dBA at 1 m

Communications/User Interface

Display	Touchscreen LCD
Connectivity	RS232, dry contacts, Ethernet (option)

Compliance

Agency Approvals cULus Listed, SEMI F47

Warranty Standard 1 year (extended warranty available)

Catalog Number

