



## The Lights Flicker & Your Process Goes Down...

...causing, once again, costly scrap, downtime, and perhaps late customer shipments. You're not alone. Voltage sags and split-second power interruptions, like the one that just brought your process down, cost US industry over \$150 billion annually.

## DySCover the Solution

SoftSwitching's Dynamic Sag Corrector® (or DySC® - pronounced 'disk') is a proven, cost-effective power quality solution that enables manufacturers to mitigate the voltage sags and momentary interruptions that shut down their production processes and plants (and cost US industry an estimated \$150 billion annually).

DySC customers include small manufacturers, as well as Fortune 500 companies, in the semiconductor, automotive, and other process industries. The DySC is rated from 250 VA to more than 3,000 kVA, allowing manufacturers to purchase the most cost-effective protection ranging from a single industrial controller or piece of equipment, to a complete production line or process, up to an entire facility. The DySC has no batteries or moving parts (unlike UPS systems), is low maintenance and has proven to often pay for itself in the first power event "save".

## DySC® Benefits

The DySC protects industrial and commercial loads from the most prevalent power quality problems, providing:

- Cost effective protection from short duration events
- Fast payback - proven to frequently pay for itself with the first "save"
- No batteries, low maintenance, high efficiency
- No flywheels, compact size
- Application flexibility - wide power range
- Provides proven, low-cost, SEMI F47 compliance, without a major tool redesign

## DySC® Protection Features

- Correction of deep sags down to 50% for 2 seconds cumulative every 60 seconds
- Correction of deeper sags down to 0 volts for 3 cycles standard, 12 cycles extended. Longer ride-through available.
- <2ms dynamic response to voltage sags
- High efficiency (>99%) under normal conditions
- Standard static bypass switch
- True sine wave output

## Proven Technology

Over 600 plants in the US and world-wide are currently being protected by the DySC as you read these words:

- "...we lost at least 15 minutes for every power sag, which resulted in loss of the multi-vapor lighting system. [the DySC] paid for itself in one power sag."  
--Plant Engineering Manager, Fort James Paper

200A PRODySC®



50A PRODySC®



250VA MINIDySC®



## DySC® Product Line

	Phase	Voltage	Wire	Hertz	Amperage	Rating
MINIDySC	Single	120, 208, or 240	3 or 4	50/60	1 to 50	250 VA to 28 kVA
PRODySC	Three	208, 240, or 480	3 or 4	50/60	25 to 400	9 kVA to 3,000 kVA

Note: custom voltages available.

MINIDySC COMPARISON	CVT	Battery UPS	MINIDySC
Covers Shallow Sags - 20%	Yes	Yes	Yes
Covers Deep Sags - 50%	No	Yes	Yes
Covers Momentary Power Loss	No	Yes	Yes
Battery Free	Yes	No	Yes
Handles Dynamic Loads	No	No	Yes
Operating Cost	High	High	Low
Mount in Control Enclosure	No*	Yes	Yes
Sinewave Output	Yes	No	Yes
Low Output Impedance	No	No	Yes
SEMI F47 Compliant	No	No	Yes

\*Generates excessive heat

PRODySC COMPARISON	Flywheel UPS	Battery UPS	PRODySC
Covers Deep Sags - 50%	Yes	Yes	Yes
Covers Momentary Power Loss	Yes	Yes	Yes
Small Equipment Footprint	No	No	Yes
Equipment First Cost	High	High	Low
Operating Cost	High	High	Low
Handles Dynamic Loads	Yes	No	Yes
Designed for Plant Fir (No HVAC Req)	No	No	Yes
Easy Installation (No Floor Prep Req)	No	Yes	Yes
Free of Moving Parts & Vibrations	No	Yes	Yes
F47 Compliant	Yes**	No	Yes

\*\*Limited

Transient Voltage Surge Suppression (TVSS) is provided on the DySC. Contact factory for max let-through voltages and options. Most models are UL/CE listed. Contact Factory for details. Specifications subject to change without notice.

