



## DriveStart

IGBT Based Medium Voltage Soft Starter  
up to 6.6KV, 8.5MVA  
(depending on load, higher ratings are available)

Optimized for applications that require a low starting current and/or a high starting torque

- Provides full torque start
- Starts at nominal motor current or lower
- Enables motor starting from weak electrical networks
- Reduces motor heat at start enabling use of standard motors
- Reduces peak network demand

Saving costs, energy and space while meeting top performance requirements

- More economical than a Medium Voltage VFD, yet provides similar soft start and soft stop features
- Integrated bypass protects against energy loss during operation, optimizes energy efficiency and reduces operational costs
- Streamlined design drastically reduces the footprint requirements

## DriveStart Applications & Industries



### WATER

- Water pumps
- Waste water pumps
- Booster pumps



### OIL & GAS

- Compressors
- Oil pumps
- LNG pumps



### MINING

- Fans and blowers
- Conveyor belts
- Ball mills



### INDUSTRY

- Compressors
- Refrigeration chillers
- Mixers



### MARINE

- Thrusters
- Ballast and fire-fighting pumps
- Injection pumps

# DriveStart

IGBT BASED MEDIUM VOLTAGE SOFT STARTER

UP TO 6.6KV, up to 8.5MVA (depending on load, higher ratings available)

## Advanced Features

- Input voltage - Up to 6.6kV 50/60Hz +10% -15
- Power range - Up to 6.6kV, 8.5MVA
- Mains starting current – 10% to 120% of motor rated current
- Numerous number of starts
- Starting torque - Up to 160% of motor rated torque
- Internal synchronization system (bypass), from DriveStart to mains and back
- Soft Start and Soft Stop
- Multi-start capabilities
- Electronic Potential Current Transformer (ECPT) voltage and current measurements via fiber optics
- Integrated Data Logger and wave form capture for all major system signals including current and voltage for remote diagnostics and failure analysis



## Models | Up to 6.6KV, 750A

Mains Voltage (kV)	Rated Current (A)	Unit Dimensions (cm)			Weight (kg)
		H	W	D	
3.3	150	230	202	132	2,000
	300				
	400				
4.16	150	230	310	120	3,000
	300				
6.6	150	260	440	120	4000
	300				
	400				
	750				

## How To Order

Example:

DriveStart - 300A - 6.6kV - 230V - 24V - SDL

Rated Current

Mains Voltage

Control Voltage  
110 VAC, 230 VAC

Control Input Voltage  
24VDC, 24VAC, 115VAC,  
230VAC, 110VDC,  
125VDC, 220VDC

Options

- 3M - Modbus
- 3P - Profibus
- 3D - DeviceNet
- 3A - Anybus
- MSS - Multi soft stop/start
- SDL - Solcon Data Logger

## For More Information

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

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