



MOTOR CONTROL IS OUR NATURE



DriveStart

IGBT BASED MEDIUM VOLTAGE SOFT STARTER
UP TO 6.6KV 500A

EXPERIENCE THE EVOLUTION OF SOFT STARTERS THE FIRST OF ITS KIND IGBT BASED MEDIUM VOLTAGE SOFT STARTER

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.

SAVING COSTS, ENERGY AND SPACE WHILE MEETING TOP PERFORMANCE REQUIREMENTS

- Significantly lower price point than a Medium Voltage VFD, providing similar soft start and soft stop features
- Integrated bypass ensures no energy loss during operation, reducing energy waste and operational costs
- Peak demand reduction
- Streamlined design translating to at least 50% reduction in space requirements vs. a VFD with comparable performance

INDUSTRIES AND APPLICATIONS



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

TECHNICAL SPECIFICATIONS

- Input voltage - Up to 6.6kV 50/60Hz +10% -15%.
- Power range - Up to 6.6kV, 5MW
- Mains starting current – 10% to 120% of motor rated current
- Starting capacity of 100% of FLC at 50°C, 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 (EPCT) voltage and current measurements via fiber optics
- Integrated Data Logger and wave form capture for all major system signals including current and voltage (Optional)
- Remote diagnostics and failure analysis (Optional)

HOW TO ORDER

Example:

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

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Rated Current	Mains Voltage	Control Voltage 110VAC, 230VAC	Control Input Voltage 24VDC, 24VAC, 115VAC, 230VAC, 110VDC, 125VDC, 220VDC	Options 3M - Modbus MSS - Multi soft stop/start SDL - Solcon Data Logger

SOLCON'S COMPLETE SOFT STARTER PORTFOLIO

MEDIUM VOLTAGE SOFT STARTERS

Product	Description	Rated Current and Voltage Range
HRVS-DN	Digital, Heavy Duty	2300-15000V, up to 15MW
HRVS-DN MEGA	Digital, Heavy Duty, High Power	2300-15000V, 15-48MW
DriveStart	Digital, IGBT Based	3300-6600V, up to 5MW

LOW VOLTAGE SOFT STARTERS

Product	Description	Rated Current and Voltage Range	Bypass	Controlled Phases
iStart	Digital, Advanced	17-430A, 208-690V	Internal	2 or 3-Phase
RVS-DXM	Digital	210-1100A, 208-690V	Internal	3-Phase
RVS-DN	Digital, Heavy Duty	8-3000A, 220-1200V	External	3-Phase
RVS-AX	Analog	8-170A, 220-600V	Internal above 31A	3-Phase
Solstart	Compact Analog	8-58A, 220-600V	Internal	2-Phase

MEETING YOUR NEEDS ACROSS INDUSTRIES

				
WATER	OIL & GAS	INDUSTRY	MINING	MARINE
				

SOLCON INDUSTRIES LTD.

Solcon Industries Ltd. is a dynamic high-tech power-electronics company that has been at the forefront of design, development and manufacturing of industrial electronic motor starting and control systems for over 30 years. We utilize advanced technology with leading edge designs based on continuous field research, testing and development. Solcon offers a complete range of Soft Starters, including both Low Voltage and Medium Voltage units, for a range of applications both standard and heavy duty.

For additional product information please contact us

W: www.solcon.com, **E:** contact@solcon.com

