



MOTOR CONTROL IS OUR NATURE



DriveStart

IGBT BASED MEDIUM VOLTAGE SOFT STARTER
UP TO 11KV 600 A

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

- Providing a solution for applications which do not require motor speed and/or torque control during operation, but where SCR-based soft starting is not suitable
- Starting current at nominal motor current or lower in most applications
- Integrated bypass function using a specialized synchronization system

SAVING COSTS, ENERGY AND SPACE WHILE MEETING TOP PERFORMANCE REQUIREMENTS

- Significantly lower price point than a Medium Voltage VFD, yet 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



TECHNICAL SPECIFICATIONS

- Input voltage – Up to 11 kV 50/60Hz +10% -15%.
- Power range – 200kW to 3000kW
- Mains starting current – 10% to 120% of motor rated current
- Starting capacity of 100% of FLC for 600 seconds at 50°C, numerous number of starts
- Starting torque - Up to 150% 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 (current and voltage)
- Option for remote diagnostics and failure analysis

HOW TO ORDER

DriveStart **350** -- **6.6** -- **230** -- **24** -- **X**
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 Rated Mains Control Control Input Options
 Current Voltage Voltage Voltage

DriveStart

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	3300-11000V, up to 10MW

LOW VOLTAGE SOFT STARTERS

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