SOLCON™ USA

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 LOW STARTING CURRENT AND/OR A HIGH STARTING TORQUE

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

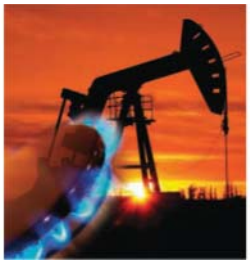
SAVING COSTS, ENERGY AND SPACE WHILE MEETING TOP PERFORMANCE REQUIREMENTS

- Significantly lower price point than a Medium Voltage VFD while 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

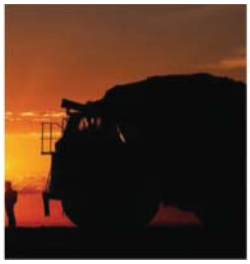
WATER

- 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
- Line starting current - 10% to 120% of motor rated current
- Starting capacity - 100% of FLC at 50°C, unlimited number of starts per hour
- Starting torque - Up to 160% of motor rated torque
- Internal synchronization sytem (bypass), from DriveStart to line power 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 - 4.16kV - 115VAC - 115VAC - 3M - S

300A	4.16kV	115VAC	115VAC	3M	S
Rated Current	**Line Voltage**	**Control Voltage**	**Control Input Voltage**	**Options**	
		115VAC or 230VAC	24VDC, 24VAC, 115VAC, 230VAC, 110VDC, 125VDC, 220VDC	**3M** - Modbus **MSS** - Multi soft stop/start **SDL** - Solcon Data Logger	

Medium Voltage Soft Starters

Product	Description	Current and Voltage Range
HRVS-DN	Digital, Heavy Duty	2300-15000V, up to 15MW
HRVS-DN MEGA	Digital, Heay Duty, High Power	2300 - 15000V, 15-48 MW

Low Voltage Soft Starters

Product	Description	Current & Voltage Range	Bypass	Controlled Phases
RVS-DX	Digital, Standard Duty	8 - 170A, 220-600V	Internal	3-Phase
RVS-DXM	Digital, General Duty	210-1100A, 208 - 600V	Internal	3-Phase
RVS-DN	Digital, Heavy Duty	8 - 3000A, 230 - 1200V	External	3-Phase
RVS-AX	Analog	8 - 170A, 220-600V	Internal > 31 A	3-Phase
Solstart	Compact Analog	31-170A, 220 - 600V	Internal	2-Phase

Motor Protection

Product	Description	Monitors
MPS-3000	Full motor protection for medium voltage or large low voltage motors	All three phase currents, voltages and up to 10 RTD inputs
TPR6-14	RTD relay	Accepts up to 14 PT100 RTD inputs or thermistor inputs
MIP	Motor insulation protection system	Monitors MV or large LV motors. Provides status indication (alarm and trip)

MEETING YOUR NEEDS ACROSS INDUSTRIES

WATER | OIL & GAS | INDUSTRY | MINING | MARINE

SOLCON™ USA

Solcon Industries has been manufacturing solid state soft starters for over 30 years and is recognized throughout the world for their highly engineered solid state controls, protection products and world class service.

Solcon USA delivers this same high level of product, service and support to the North American market. Contact Solcon USA's industry experts for technical and sales assistance or call us to get the name of your local representative. Service and support is also available from Solcon partners located in more than 75 countries around the world.

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