



MOTOR CONTROL IS OUR NATURE



**iStart**

LOW VOLTAGE SOFT STARTER  
17-430 A, 208-690 V

# YOUR TOTAL SOFT STARTING SOLUTION EASY TO COMMISSION, SIMPLE TO OPERATE

## WIDE RANGE OF ADVANCED FEATURES

- State of the art communication options
- Multi-language operating system
- Real-time, online 99 event log and trip log (including currents, voltages)
- Optimized for high efficiency motors (IE3)
- 2-phase mode for on-site phase fault operation
- Plug and play fan option for increased capacity (sizes A, B, C)
- Basic, professional and expert set-up menus
- User defined metering and monitoring of 3-phase voltage, 3-phase current and power factor
- Auto reset for selected faults
- 3 Thermistor inputs available
- Frequency autotracking 45-65 Hz
- Inline and inside delta connection
- Inside delta wrong connection alarm
- Universal control voltage 110-220 V AC/DC (sizes A, B, C)
- 3 Current transformers

## COMPREHENSIVE MOTOR PROTECTION PACKAGE

- Under voltage
- Phase sequence
- Sheerpin current
- Under current
- Overload classes
- Current imbalance
- Ground fault
- Excessive number of starts
- Excessive starting time
- Soft starter over temperature
- Programmable external fault
- Phase loss
- Motor insulation tester

## COMPLETE SOFT START AND SOFT STOP FUNCTIONS

- Acceleration control
- Current limit start
- 4 Adjustments
- Pump curves
- Torque control
- Soft stop
- Kick start
- Restart delay

## UNIVERSAL INTERCHANGEABLE CONTROL MODULE





## APPLICATIONS

- Pumps (water utilities and industry)
- Compressors
- Conveyors & monorails
- Mixers & agitators
- Fans & centrifuges
- Hydraulic pumps
- Starting with weak power sources

## FRAME SIZES

17-430 A, 208-690 V, 2 or 3-phase control with internal bypass

Model	Rated Current (A)	Motor kW @400V	Unit Dimensions (mm)			Weight (kg)	Internal Bypass	2 or 3-Phase Control
			H	W	D			
A	17	7.5	245	122	147	3.2	+	+
	31	15						
	44	22						
B	58	30	275	132	208	5.2	+	+
	72	37						
	85	45						
C	105	55	388	175	234	10.9	+	+
	145	75						
	170	90						
D	230	132	555	365	275	37	+	+
	310	160						
	350	200						
	430	220						

iStart

## HOW TO ORDER

### Example:

iStart	31A	480V	230V	24V	3P
	↓	↓	↓	↓	↓
Rated Current	Mains Voltage	Control Voltage	Control Input Voltage	Options	
	480V, 600V, (A-D) 690V (D)	95-230V (A-C) 115, 230V (D)	95-230VAC 24V DC	2P - 2-phase control 3M - Modbus 3P - Profibus D - Remote key pad 5 - Analog output 6 - 3xRTD thermal sensor 8 - Conformal coating F115 - Fan unit 115VAC (A-C) F230 - Fan unit 230VAC (A-C)	

## SOLCON'S LOW VOLTAGE SOFT STARTER PORTFOLIO

Product	Description	Rated Current and Voltage Range	Bypass	Controlled Phases
iStart	Digital, Advanced	17-430 A, 208-690 V	Internal	2 or 3-Phase
RVS-DXM	Digital	210-1100 A, 208-690 V	Internal	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



### SOLCON INDUSTRIES LTD.

Solcon 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. Solcon offers a complete range of Low and Medium Voltage Soft Starters for a wide range of standard or heavy duty applications. By using advanced technology, based on continuous field research, Solcon implements the highest quality criteria, guaranteeing long-term reliability to its customers.

For additional product information please contact us  
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