



iStart

Advanced Low Voltage Soft Starter
17-1100A, 208-690V



YOUR COMPREHENSIVE SOFT STARTING SOLUTION EASY TO COMMISSION, SIMPLE TO OPERATE

The iStart is Solcon's most advanced soft starter, with built-in bypass and 2 or 3-phase control. It incorporates enhanced soft-start and soft-stop characteristics, to provide the best solution for a wide range of applications.

The comprehensive motor protection package guarantees long term reliability while the built-in bypass ensures excellent performance all in a small, versatile design.

Comprehensive Protection Includes:

- Under voltage
- Phase sequence
- Sheer-pin current
- Under current
- Overload classes (IEC, NEMA)
- Current imbalance
- Ground fault
- Excessive number of starts
- Excessive starting time
- Soft starter over temperature
- Programmable external fault
- Phase loss
- Inside delta wrong connection alarm



Advanced Features

- Universal Interchangeable Control Module
- Communication options (Anybus, Modbus, Profibus, Devicenet)
- Multi-language user interface
- Real-time, online, 99 event and trip log (including currents, voltages)
- Optimized for high efficiency motors (IE3)
- 2-phase mode for on-site phase fault operation
- Basic, professional and expert set-up menus
- User defined metering and monitoring of 3-phase voltages, 3-phase currents and power factor
- USB interface for setup and software updates
- Option cards include Analogue Output Including Thermistor, three Thermal Sensors, Motor Insulation Monitor
- Auto reset for selected faults
- 3 Thermistor inputs
- Frequency auto tracking 45-65 Hz
- Inline and inside delta connection
- Universal control voltage 110-220V AC/DC (Sizes A, B, C)
- 3 Current transformers
- Economical 2-phase control units available

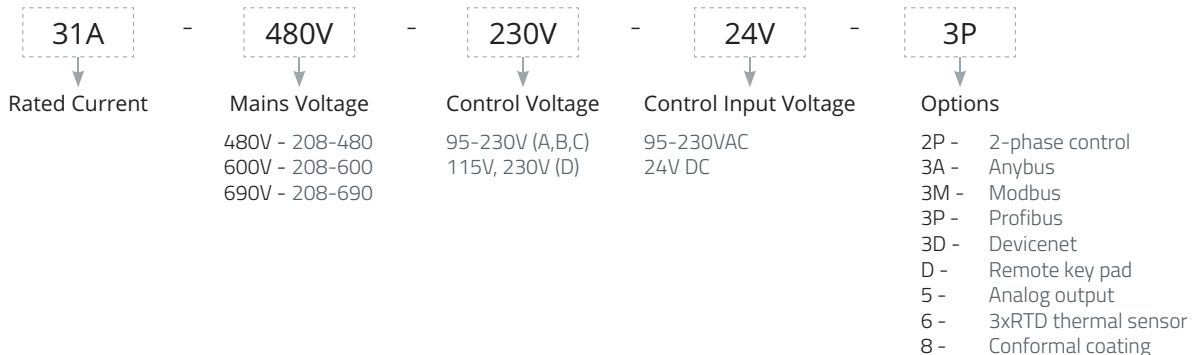
Standard Models | 17-1100 A, 208-690 V

| Model | Rated Current (A) | Unit Dimensions (mm) | | | Weight (kg) | Internal Bypass | 2 or 3-Phase Control |
|-------|-------------------|----------------------|-----|-----|-------------|-----------------|----------------------|
| | | H | W | D | | | |
| A | 17 | 245 | 122 | 147 | 3.2 | + | + |
| | 31 | | | | | | |
| | 44 | | | | | | |
| | 61 | | | | | | |
| B | 72 | 275 | 132 | 208 | 5.2 | + | + |
| | 85 | | | | | | |
| | 95 | | | | | | |
| C | 105 | 388 | 175 | 234 | 10.9 | + | + |
| | 145 | | | | | | |
| | 170 | | | | | | |
| | 220 | | | | | | |
| D | 230 | 555 | 365 | 275 | 37 | + | + |
| | 310 | | | | | | |
| | 350 | | | | | | |
| E | 430 | 644 | 365 | 285 | 38 | + | + |
| | 515 | | | | | | |
| G | 590 | 791 | 480 | 302 | 56 | + | + |
| | 690 | | | | | | |
| H | 720 | 791 | 510 | 305 | 60 | + | + |
| | 850 | | | | | | |
| I | 960 | 815 | 559 | 316 | 85 | + | + |
| | 1100 | | | | | | |

How To Order

Example:

iStart



Soft Start & Soft Stop Functions

- Acceleration control
- Current limit start
- 6 adjustable curves for pumps, generators, standard and torque controlled applications
- Soft stop
- Kick start
- Restart delay (3 sec)



Models | 17-450 A, 400-600 V

Max. motor current rating according to IEC 60947-4-2 AC-53b
(Internal Bypass, 40 Degree C Ambient Temperature, Equally Spaced Starting)

- Maximum of 10 Second Start time
- Maximum of 3 Starts Per Hour
- Maximum of 350% Current Limit

| Model | Rated Current (A) | KW | | | Unit Dimensions (mm) | | | Weight (kg) |
|-------|-------------------|------|------|------|----------------------|-----|-----|-------------|
| | | 400V | 480V | 600V | H | W | D | |
| A | 17 | 11 | 13 | 16 | 245 | 122 | 147 | 3.2 |
| | 31 | 19 | 23 | 29 | | | | |
| | 44 | 27 | 33 | 41 | | | | |
| | 61 | 38 | 46 | 57 | | | | |
| B | 72 | 45 | 54 | 67 | 275 | 132 | 208 | 5.2 |
| | 85 | 53 | 64 | 80 | | | | |
| | 95 | 59 | 71 | 89 | | | | |
| C | 105 | 65 | 79 | 98 | 388 | 175 | 234 | 10.9 |
| | 145 | 90 | 108 | 136 | | | | |
| | 170 | 106 | 127 | 159 | | | | |
| | 205 | 137 | 165 | 206 | | | | |
| D | 230 | 143 | 172 | 247 | 554 | 365 | 275 | 37 |
| | 310 | 160 | 230 | 333 | | | | |
| | 350 | 200 | 260 | 376 | | | | |
| | 420 | 250 | 320 | 465 | | | | |

Models | 17-420 A, 400-600 V

Max. motor current rating according to IEC 60947-4-2 AC-53b
(Internal Bypass, 40 Degree C Ambient Temperature, Equally Spaced Starting)

- Maximum of 20 Second Start time
- Maximum of 3 Starts Per Hour
- Maximum of 350% Current Limit

| Model | Rated Current (A) | KW | | | Unit Dimensions (mm) | | | Weight (kg) |
|-------|-------------------|------|------|------|----------------------|-----|-----|-------------|
| | | 400V | 480V | 600V | H | W | D | |
| A | 17 | 11 | 13 | 16 | 245 | 122 | 147 | 3.2 |
| | 31 | 19 | 23 | 29 | | | | |
| | 44 | 27 | 33 | 41 | | | | |
| | 61 | 38 | 46 | 57 | | | | |
| B | 72 | 45 | 54 | 67 | 275 | 132 | 208 | 5.2 |
| | 85 | 53 | 64 | 80 | | | | |
| | 95 | 59 | 71 | 89 | | | | |
| C | 105 | 65 | 79 | 98 | 388 | 175 | 234 | 10.9 |
| | 145 | 90 | 108 | 136 | | | | |
| | 170 | 106 | 127 | 159 | | | | |
| | 205 | 128 | 153 | 192 | | | | |
| D | 230 | 143 | 172 | 247 | 554 | 365 | 275 | 37 |
| | 310 | 160 | 230 | 333 | | | | |
| | 350 | 200 | 360 | 376 | | | | |
| | 420 | 230 | 300 | 450 | | | | |

Solcon Industries is a dynamic, high-tech power electronics company that remains at the forefront of design, development and manufacturing of industrial motor starting and control systems.

Solcon offers a complete range of Low and Medium Voltage Soft Starters for a wide range of standard and heavy duty applications. Solcon also manufactures industry-leading Motor Protection Relays and Control Products.

Solcon deploys advanced technology and field research to implement the highest quality criteria, guaranteeing long-term reliability to our customers. We take pride in providing custom solutions for the toughest applications including the Mining, Marine, Water, and Oil & Gas Industries.

Solcon's consistent investment in research and development, along with a strong global partner network and worldwide customer base, are the keys to our success.

A deep understanding of the market needs and application requirements have enabled Solcon to upgrade existing product lines and introduce new, innovative solutions to the market making us a market leader.

Solcon is accredited with ISO 9001:2000. Our products are designed to meet international standards such as CE, UL, cUL, Ex, EAC, Lloyds, Germanischer Lloyds, DNV, BV, ABS, RINA, KR, NK-Class, RMRS, CCS and other approvals are also available.

Certifications & Standards



Meeting your needs across industries



For More Information

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