

SST-IS

Economical Soft Starter



PRODUCT PROFILE

SST-IS economical soft starter adopts dual MCU design, use new microprocessor technology to achieve communication, failure processing, signals acquisition, parameter setting etc. The built-in non-volatile memory is used to ensure parameters won't be lost. With perfect protect function, the entire protection and monitoring can be offered for shortcircuit, over voltage, under voltage and over load.

The SST-IS soft starter can achieve the full realization of intelligent systems through online update and high flexibility and human-machine interaction design. The model offers communication function which includes communication between field bus and soft starter, analogue output(optional), online software update.

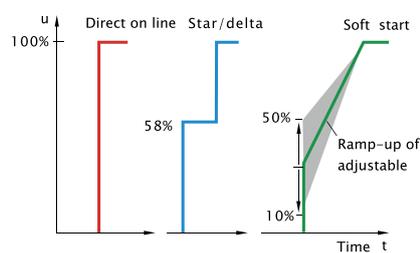


FUNCTION

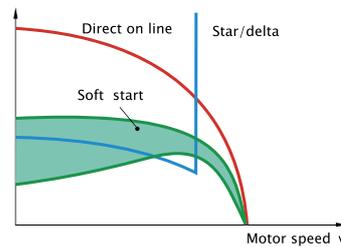
Feature

- Opening design of human-machine interaction.
- Unique motor fuzzy algorithm solves mechanical impact and shock problems.
- Extensive motor protect functions, long lifespan.
- Opening programming, customization based upon customer's demand, save cost.
- Load data indication and feedback system

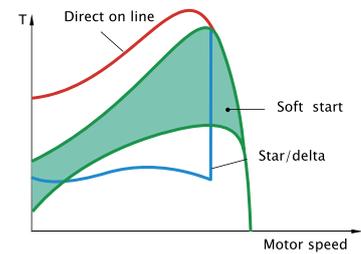
Voltage of motor



Current of motor



Torque of motor



Performance comparison of direct-on-line, star-delta and soft-start at voltage, current and torque of the motor.

Applications

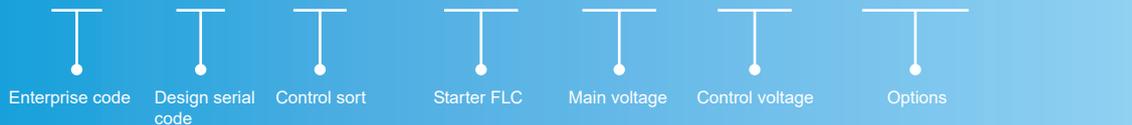
- Packing Machinery
- Pump fan
- Extruder
- Centrifuge
- Mixer
- Gear-drive device
- Conveyor belt
- Woodworking Machinery
- Textile Machinery
- Propeller
- Process control
- Main power plant





ORDERING INFORMATION

SST-IS

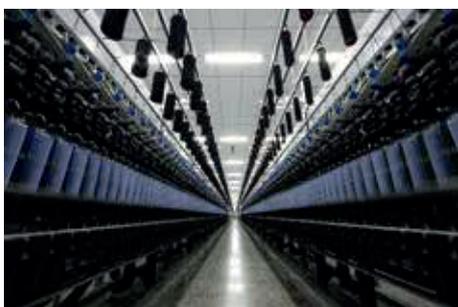


(1) Starter FLC: 18, 30, 45, 60, 75, 90, 110, 145, 175, 210, 250, 300, 370, 470, 570, 720, 840

(2) Main Voltage 50/60Hz ±4Hz	Specify	For
	220VAC	180-240VAC
	380VAC	380-420VAC
	500VAC	425-525VAC

(3) Control Voltage 50/60Hz ±5Hz	Specify	For
	110VAC	100-120VAC
	220VAC	200-240VAC
	380VAC	360 -400VAC

(5) Options	Code	Introduction
	0	No option
	1	RS485 Communication terminals (Modbus)
	2	4-20mA Analogue output





PARAMETERS

Technical parameters

Rated Voltage	220~500V(consult the manufacturer for higher voltage)
Rated Frequency	50/60Hz
Rated Current	18~840A
The motor adapted	Three-phase squirrel-cage induction motor
The soft start overload	75~150%,0~10s
Pulse parameter	80%Ue,0~1s
Control method	Soft start, soft stop, pump control, pulse start
Starts per hour	3~6 times/hour (as per loading application)
Adjustable starting torque	30%~80%(direct starting torque)
Number of functions	>145

I/O setting

Analog input	1 PTC input
Logic input	4 Logic input (programmable)
Analog output	0~20mA,0~5V(optional);0~10V(optional)
Relay output	3 Relay output,2 of them are Programmable
Operation command input	Preset by LCD keyboard, control terminal, RS485 communication, switchable among them
Dialog Tool	Built-in remote monitor or installation software

Protection & communication display

Protection & Supervision	Short circuit, over-voltage, under-voltage, overload, loss phase, phase sequence, over current, ground fault, current unbalance, overheat of motor, time of frequently start.
LED display	Parameters such as current, voltage and alarm.
Button-locking & Function Selection	All or some buttons can be locked and the function of some buttons can be defined to
Integrated communication protocol	User-defined
Optional communications	RS485

Working environment

Working place	Indoor, no sunshine, no dust, no corrosion, no flammable gas, no grease, no steam, no dropping water, no salts and so on.
Altitude	Lower than 2000m.
Operating temperature	0°C~50°C
Humidity	Air relative humidity lower than 95%RH (25)
Vibration	No obvious vibration or shocking
Storage temperature	-10°C~50°C

Protection & structure

Protection Class	IP20
Cooling	Natural cooling
Installation	In cabinet



PARAMETERS

230-690V Fuerza de Motor

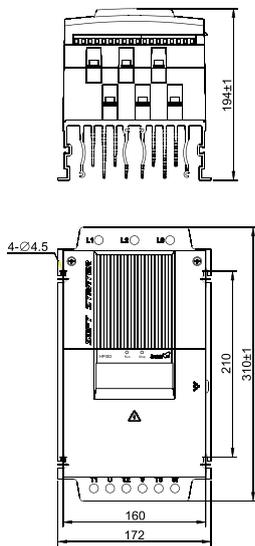
Fuerza de Motor (KW)			Corriente Nominal (A)	Modle	Control del Voltaje			Peso (kg)
220V	400V	500V			Voltaje principal	Opción	Opción	
4	7.5	11	18	SSTIS18	- X	- X	- X	4.5
7.5	15	18.5	30	SSTIS30	- X	- X	- X	4.5
11	22	25	45	SSTIS45	- X	- X	- X	4.5
15	30	37	60	SSTIS60	- X	- X	- X	4.5
18.5	37	45	75	SSTIS75	- X	- X	- X	4.5
22	45	55	90	SSTIS90	- X	- X	- X	5.5
30	55	75	110	SSTIS110	- X	- X	- X	5.5
37	75	90	145	SSTIS145	- X	- X	- X	5.5
45	90	110	175	SSTIS175	- X	- X	- X	22.7
55	110	132	210	SSTIS210	- X	- X	- X	22.7
75	132	160	250	SSTIS250	- X	- X	- X	22.7
90	160	200	300	SSTIS300	- X	- X	- X	22.7
110	200	250	370	SSTIS370	- X	- X	- X	24.8
132	250	315	470	SSTIS470	- X	- X	- X	24.8
160	315	400	570	SSTIS570	- X	- X	- X	24.8
200	400	500	720	SSTIS720	- X	- X	- X	24.8
250	450	560	840	SSTIS840	- X	- X	- X	24.8



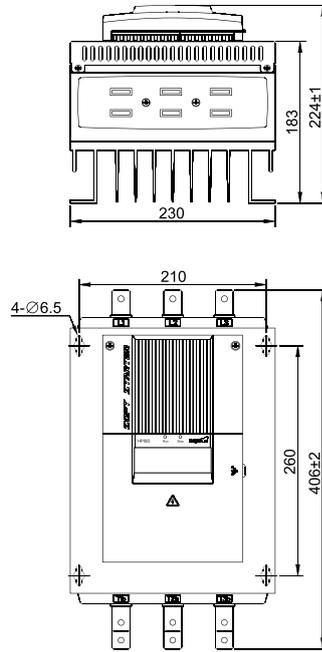


MEASUREMENT

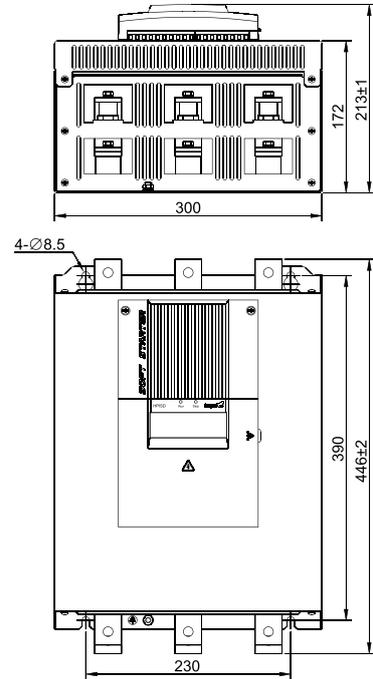
SST-IS 18-60



SST-IS 75-110



SST-IS 145-370



SST-IS 470-840

