

Variable Frequency Drives

SS / SE / SH / SF



SS Series

Low cost and general function for a wide range of applications



Feature

- Build-in speed control knob to adjust speed easily
- The motor speed of rotation can be adjusted by simply turning the knob.
- Communication Function
- Standard RS485 serial communications supporting Modbus and Shihlin's protocol
- High starting torque
- Auto torque boosts and slips compensation function
- Multi-function input/output terminals
- 400 Hz maximum output frequency enables support of special motors and high-speed motors.

- External 2-channel analog setting
- Two types of analog settings, 0 to 10V and 4 to 20mA, are possible.
- Built-in braking transistor
- The braking performance can be improved by simply connecting brake resistors (options).
- Multifunction input terminals

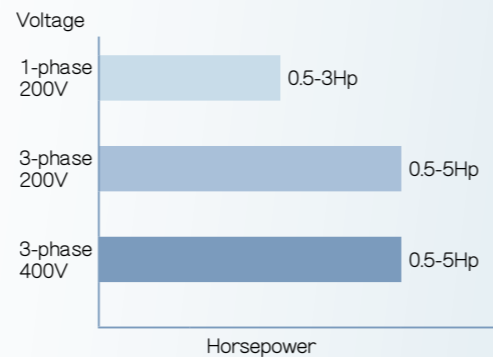
Model Name Indication

SS021-0.75KD

number	Voltage	number	power	number	Inverter capacity
2	200V	1	1-phase	0.4K	0.4kW
4	400V	3	3-phase		
				3.7K	3.7kW

* KD type built-in RJ45 port
* KB type built-in RS485 port

Product Range



Application

- The SS series inverter is cost oriented designed with general function for a wide range of applications. Basic speed control and torque stall prevention function meet most customer's demand with low cost.
 - Conveyor equipment: convenient speed control via knob on the panel
 - Dyeing and finishing machine: use speed control for multiple axis
 - Paper-arranging machine: High starting torques and stall prevention of SS series meet the requirement for paper-arranging machine.

SE Series

Cost-effective with simple vector control for general purpose applications



Feature

- Simple Vector Control
- Soft-PWM control function for reducing the motor operation noise.
- Dedicated PID control
- Auto torque boost and auto slip compensation
- Auto detect motor rotary speed for smooth start
- Parameter tuning at low speed
- Retry function
- Zero speed control function
- Disturbed operation function
- Standard RS485 serial communications supporting Modbus and Shihlin's protocol

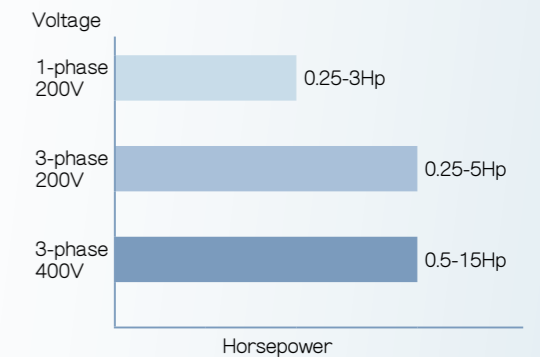
- Instantaneous torque control
- Multi-functional input terminals
- Energy saving function realizes power-saving control
- Useful fan and pump functions
- Constant pressure setting for water pump
- Multiple pump drive control (constant pressure feed water system control)
- Up to 8 pumps can be controlled according to the water supply status with just one inverter.

Model Name Indication

SE021-0.75K-D-L

number	Voltage	number	power	number	Inverter capacity
2	200V	1	1-phase	0.2K	0.2kW
4	400V	3	3-phase		
				11K	11kW
number	power	number	Inverter capacity		
D	with DU03 controller	L	built-in flite		
none	without DU03 controller	none	without filter		

Product Range



Application

- The SE series inverters are cost-effective oriented design with simple vector control for general purpose applications. Low speed with high torque output and smooth speed control requirement could be realized by using simple vector control model.
 - Screen printing machine: Printing squeegee moving is driven by AC motor. SE series inverter provide multi-stage and accurate speed control function to cooperate with the high-tension timing belt and the linear motion bearings guarantee extraordinary smoother printing achieving high precision printing requirement.

SH Series

High performance with many useful functions for general purpose application



Feature

- Simple Vector Control
- Soft-PWM control function for reducing the motor operation noise.
- Dedicated PID control
- Auto torque boost and auto slip compensation
- Auto detect motor rotary speed for smooth start
- Parameter tuning at low speed
- Retry function
- Zero speed control function
- Disturbed operation function
- Standard RS485 serial communications supporting Modbus and Shihlin's protocol
- Instantaneous torque control
- Multi-functional input terminals

- Energy saving function realizes power-saving control
- Useful fan and pump functions
- Constant pressure setting for water pump
- Multiple pump drive control (constant pressure feed water system control)
- Up to 8 pumps can be controlled according to the water supply status with just one inverter.

Model Name Indication

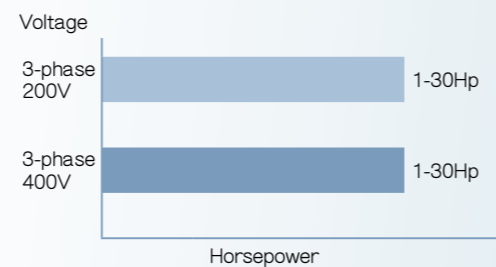
SH020-0.75KBC

number	Voltage
2	200V
4	400V

number	Inverter capacity
0.75K	0.75kW
22K	22kW

* KBC type with CE certification
* KP type is dedicated for pump

Product Range



Application

- The SH series inverter have high performance with many useful functions for general purpose applications. Outstanding auto-tuning extends the application range.
 - PCB plating machine: The special design of SH series inverter could sustain for corrosive gases environment such as plating place. Combine with stable acceleration and deceleration control and torque stall prevention function of SH series inverter, plating machine have well control and performance.
 - Polishing machine: High speed rotation control and variable loading control
 - Refrigerator compressor: Instantaneous torque control, special parameter setting for compressor
 - Water pump: Constant pressure control, parallel connecting operation

SF Series

High performance with fan / pump control function for wide applications



Feature

- Simple Vector Control
- Soft-PWM control function for reducing the motor operation noise.
- Dedicated PID control
- Auto torque boost and auto slip compensation
- Auto detect motor rotary speed for smooth start
- Parameter tuning at low speed
- Retry function
- Zero speed control function
- Disturbed operation function
- Standard RS485 serial communications supporting Modbus and Shihlin's protocol
- Instantaneous torque control
- Multi-functional input terminals

- Energy saving function realizes power-saving control
- Useful fan and pump functions
- Constant pressure setting for water pump
- Multiple pump drive control (constant pressure feed water system control)
- Up to 8 pumps can be controlled according to the water supply status with just one inverter.

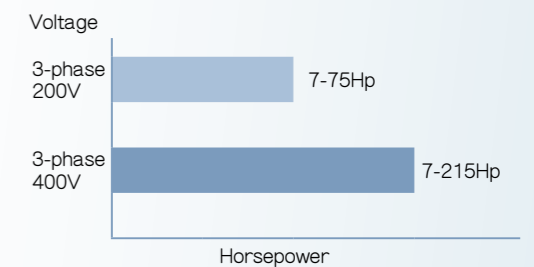
Model Name Indication

SF020-5.5K

number	Voltage
2	200V
4	400V

number	Inverter capacity
5.5K	5.5kW
160K	160kW

Product Range



Application

- The SF series inverter is suitable for wide range of applications. The functionality of the SF series drive boosts performance and increase machine's flexibility of use across multiple applications.
 - Air conditioning equipment: outstanding instantaneous torque control and stall prevention function, we have many applications for using SF type inverter to control compressor output.
 - Injection molding machine: dedicated PID control and wide motor capacity range, let SF type invert provide high performance of energy-saving.
 - Extrusion machine: Parameter tuning at low speed function let the inverter suitable for this application.