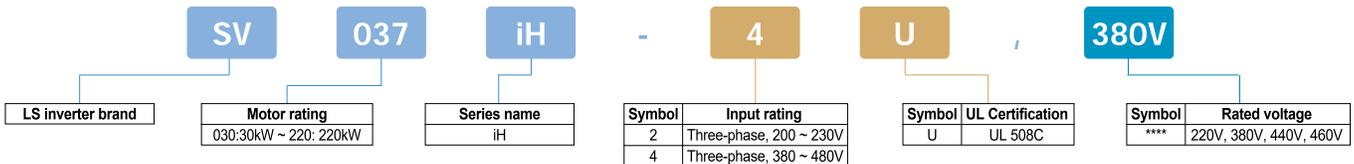




- Space Vector PWM technology
- Constant torque / Variable torque dual rating
- Low noise level (high performance DSP & IGBT)
- Precise torque calculation through current control (high torque performance)
- 4 - 20mA Analog output
- 2 line 32 characters LCD display
- Built-in Process PI control
- 150% starting torque
- 2 ~ 10kHz carrier frequency
- Slip compensation
- Recovery from momentary power failure (Flying start)
- Monitoring & commissioning software (DriveView)

### Inverter Model Number



### General specification

Model number: SV	iH-	030-2U	037-2U	045-2U	055-2U	030-4U	037-4U	045-4U	055-4U	075-4U	090-4U	110-4U	132-4U	160-4U	220-4U	
Motor rating	Constant Torque	[HP]	40	50	60	75	40	50	60	75	100	125	150	175	215	300
	Constant Torque	[kW]	30	37	45	55	30	37	45	55	75	90	110	132	160	220
	Variable Torque	[HP]					50	60	75	100	125	150	175	215	250	350
	Variable Torque	[kW]					37	45	55	75	90	110	132	160	185	280
Output ratings (380V based)	Constant Torque FLA	[A]	122	146	180	220	61	75	91	110	152	183	223	264	325	432
	Constant Torque	[kVA]	46	55	68	83	40	50	60	70	100	120	145	170	200	280
	Variable Torque FLA	[A]					80	96	115	125	160	228	264	330	361	477
	Variable Torque	[kVA]					52	62	74	80	103	147	170	213	233	307
	Voltage	[V]	Three phase, 200 ~ 230V				Three phase, 380 ~ 460V									
Frequency	[Hz]	0.5 ~ 400Hz				0.5 ~ 400Hz										
Input ratings	Voltage	[V]	Three phase, 200 ~ 230V (± 10%)				Three phase, 380 ~ 460V (± 10%)									
	Frequency	[Hz]	50 ~ 60Hz (± 5%)				50 ~ 60Hz (± 5%)									
Weight	[kg]	42	42	56	56	45	45	63	63	68	98	98	122	122	175	

Control method	V/f Control (Space Vector PWM)
Speed reference resolution	Digital command: 0.01Hz (below 99Hz) & 0.1Hz (100Hz and over) / Analog command: 0.03Hz at 60Hz
Frequency accuracy	Digital: 0.01% of Maximum output frequency / Analog: 0.1 % of Maximum output frequency
V/f curve	Linear / Non-linear / User custom V/f
Overload capacity	Constant Torque: 1 minute at 150% / 0.5 seconds at 200% (with inverse characteristic proportional to time) Variable Torque: 1 minute at 110% / 0.5 seconds at 150% (with inverse characteristic proportional to time)
Torque boost	Auto / Manual (0 ~ 20%)
Assigned terminals	FX (forward) / RX (reverse) / BX (inverter gate blocking) / RST (reset)
Multi-function input terminals	Total 6 inputs (programmable)
Analog output	0 ~ 10V pulse / 4 ~ 20mA linear

Input signal	Operation method	32 character LCD keypad / Terminals / Communication (RS-485: LS Bus)
	Frequency setting	Analog: 0 ~ 10V, 4 ~ 20mA, additional port for Sub-Board (0 ~ 10V) / Digital: Keypad / Communication
	Start signal	Forward / Reverse
	Multi-step operation	Setting up to 8 speeds (using multi-function terminal)
	Multi-step Accel./Decel. time	0.1 ~ 6000 seconds. Maximum 8 pre-defined steps using multi-function terminals
	Operation function	DC braking / Frequency limit / Frequency jump / Slip compensation / PI control / Stall prevention
	Emergency stop	Interrupting output from inverter
	JOG	JOG operation
	Fault reset	Resets fault signal when protective function is active

Output signal	Operational status	Frequency detection / Overload alarm / Stall / Overvoltage / Undervoltage / Inverter overheat / Run / Stop Constant speed / Speed search
	Indicator	Output frequency / Output current / Output voltage / rpm

Protective functions	Trip	Overvoltage / Undervoltage / Overcurrent / Inverter overheat / Motor overheat / Fuse open / Ground fault / Overload Main CPU error
	Alarm	Stall / Overload
Others		LS Bus, Remote cable(2M/3M/5M)