

# iE5

Variable Frequency Drive

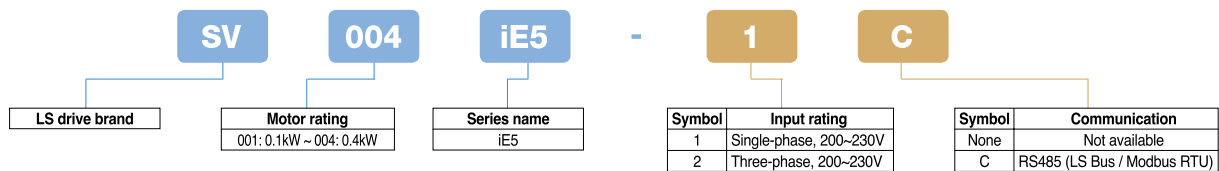
## User friendly micro size slim VFD

1 phase 0.1~0.4kW(0.1~0.5HP), 200~230V  
3 phase 0.1~0.4kW(0.1~0.5HP), 200~230V

- V/f control
- Compact size: 68 × 128 × 85mm (2.7 × 5 × 3.3 inch)
- 0.1 ~ 200Hz frequency output
- 1 ~ 10kHz carrier frequency
- Fault history: Last 3 faults
- IP20 enclosure
- RS485 (LS Bus / Modbus RTU) communication (Built-in option)
- DC Injection braking
- Selectable manual/automatic torque boost
- Selectable PNP/NPN input signal
- PI control
- Up-Down & 3-Wire operation
- Automatic restart after instantaneous power failure
- Built-in potentiometer
- Monitoring & commissioning PC based software tool (Drive View)
- Parameter copy unit



## Model Number



## General specification

Model number: SV □□□ iE5-□		001-1	002-1	004-1	001-2	002-2	004-2
Motor rating	[HP]	0.13	0.25	0.5	0.13	0.25	0.5
	[kW]	0.1	0.2	0.4	0.1	0.2	0.4
Output rating	Capacity [kVA]	0.3	0.6	0.95	0.3	0.6	1.14
	Current [A]	0.8	1.4	2.5	0.8	1.6	3.0
Input rating	Voltage [V]	Three-phase 200 ~ 230V					
	Frequency [Hz]	0.1 ~ 200Hz					
	Voltage [V]	Single-phase 200 ~ 230V (±10%)			Three-phase 200 ~ 230V (±10%)		
Weight	Frequency [Hz]	50 ~ 60Hz (±5%)					
	Current [A]	2.0	3.5	5.5	1.2	2.0	3.5
Control spec	Weight [kg]	0.44	0.46	1.68	0.43	0.45	0.67
	Control method	V/f, Slip compensation					
Operation	Speed reference resolution	Digital command: 0.01Hz / Analog reference: 0.1Hz (Max freq., 60Hz)					
	Frequency accuracy	Digital command: 0.01% of Max output freq. / Analog signal command of 0.1% of Max output freq.					
	V/f curve	Linear, Squared V/f					
	Overload capacity	150% for 1 minute					
	Torque boost	Auto & manual torque boost					
Input signal	Keypad display	4 digit, 7 segment LED					
	Operation method	Keypad / Terminal / Communication					
	Frequency setting	Analog: 0 to 10V / 0 to 20mA / Potentiometer / Digital: Keypad					
Output signal	Operation function	PI control / Up-Down operation / 3-Wire operation					
	Multi-function terminal (P1 ~ P5)	PNP / NPN selectable 5 points (programmable)					
Protection	Multi-function relay	Fault output & drive status output (N.O., N.C.) Less than AC 250V, 0.3A / Less than DC 30V 1A					
	Analog output	0 to 10Vdc (less than 10mA): frequency / current / voltage / DC voltage selectable					
Enclosure	Drive trip	Over voltage / Low voltage / Over current / Ground fault / Drive overload / Overload trip / Drive overheat / Condenser overload / Output phase open / Frequency command loss / Hardware fault / etc.					
	Drive alarm	Stall prevention					
Option	Communication, copy unit	RS485(LS Bus / Modbus RTU), Parameter copy unit					