

# iE5

Variable Frequency Drive / Inverter

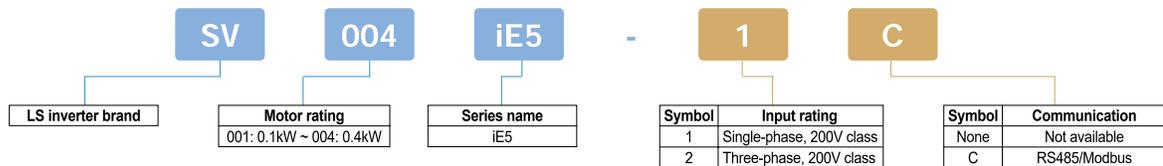
User friendly micro size slim inverter

1 phase 0.1 - 0.4kW, 200V  
3 phase 0.1 - 0.4kW, 200V

- V/f control
- Compact size: 68× 128× 85mm
- 0.1 ~ 200Hz frequency output
- 1 ~ 10kHz carrier frequency
- Fault memory( last three faults)
- IP20 enclosure
- LS Bus / Modbus-RTU communication (Built-in option)
- Ground fault protection during operation and start
- Selectable manual/automatic torque boost
- Selectable PNP/NPN input signal
- PI control
- Stall prevention
- Automatic restart after instantaneous power failure
- Built-in potentiometer
- Monitoring & commissioning software (DriveView)
- Parameter copy unit\* (available soon)



## Inverter 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	
	Voltage [V]	Three-Phase 200 ~ 230V						
	Frequency [Hz]	0.1 ~ 200Hz						
Input rating	Voltage [V]	Single-Phase 200 ~ 230V (± 10%)			Three-Phase 200 ~ 230V (± 10%)			
	Frequency [Hz]	50 ~ 60Hz (± 5%)						
	Current [A]	2.0	3.5	5.5	1.2	2.0	3.5	
Weight [kg]		0.44	0.46	1.68	0.43	0.45	0.67	
Control Spec	Control method	V/f						
	Speed reference resolution	Digital command: 0.01Hz / Analog signal command: 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						
	Keypad Display	4 digit, 7 segment LED						
	Operation method	Keypad / Terminal / Communication operation (Built-in option)						
	Frequency setting	Analog: 0 to 10V / 0 to 20mA / Potentiometer / Digital: Keypad/ Modbus						
	Operation function	PI control / Up-Down operation / 3-Wire operation						
Input signal	Multi-function terminal (P1 ~ P5)	PNP / NPN selectable 5 points (programmable)						
	Output signal	Multi-function relay Analog output						
Protection	Inverter trip	Over voltage / Low voltage / Over current / Ground fault detection / Inverter overload / Overload trip / Inverter overheat / Condenser overload / Output phase loss / Overload protection / Frequency command loss / Hardware fault						
		Inverter alarm	Stall prevention					
	Enclosure	IP20						