

VFD Model: Sunfar ES50-2S0037L

220V Single Phase
3.7KW Rating
Max RPM = 24000
400 Hz

Highlighted means changed from Factory default

Function Code	Description	Default	Setting	Comments
F0.00	Frequency Input Channel	1	1 or 3	1 = external analogue. VFD was tested with 3 (Panel Potentiometer) and ran successfully
F0.01	Frequency Digital Setting	0	400	Spindle is 400 Hz
F0.02	Running Command Channel and Mode	1000	1000	First Digit enables auto Start; Second Digit enables rev ;Third Digit for Two-line mode 1;Fourth Digit for External terminal Control
F0.03	Lower Limiting Freq	0	5	5 Hz
F0.04	Upper Limiting Freq	50	400	400 Hz
F0.05	Acceleration Time	5	10	
F0.06	Deceleration Time	5	10	
F0.07	Acceleration Characteristic	0	1	S Curve
F0.08	Carrier Frequency	8	8	8 Khz
F0.09	Modulation Mode	0	0	0 = Asynchronous
F0.10	Parameter Protection	0	0	No Protection to overwrite (change to "2" once machine is stable to lock parameters)
F0.11	Torque Boost	6	0	0% boost
F0.12	Basic Running Frequency	50	400	400 Hz
F0.13	Maximum Output Voltage	220	220	220 Volts
F0.14	Jog Acceleration Time	5	5	5 sec
F0.15	Jog Deceleration Time	5	5	5 sec
F0.16	FWD Jog Frequency	10	400	400 Hz
F0.17	REV Jog Frequency	10	400	400 Hz
F0.18	Auxiliary function setting	0	0	
F0.19	Lower limiting freq functioning mode	0	0	
F0.20	Reserve	n/a	n/a	
F0.21	Parameter Protection Password	0	0	
F0.22	UP/DW speed	5	5	
F0.23	Reserve	n/a	n/a	
F0.24	Reserve	n/a	n/a	
F1.00	AI input lower limiting voltage	0	0	0V (Analogue Input)
F1.01	AI input upper limiting voltage	10	10	10V (Analogue Output)
F1.02	AI input filter time	0.01	0.01	0.01 sec
F1.03	Minimum Set Frequency	0	5	5 Hz
F1.04	Maximum Set Frequency	50	400	400 Hz
F1.05	Analog Output Selection	0	0	0 = output freq
F1.06	AO Upper Limit	0	0	0V
F1.07	AO Lower Limit	10	10	10V
F1.08	Function Selection of input terminal 1	11	11	Terminal X1: 11 = Forward
F1.09	Function Selection of input terminal 2	1	12	Terminal X2: 12 = Reverse

All other parameters below F1.09 are left as default.