Errata sheet

Read this errata manual and the instruction manual (E6580757) before installing or operating the inverter unit, and store them in a safe place for reference.

	Errors	Corrections
Page 7	This is the Ver.101 CPU version inverter.	This is the Ver.110 CPU version inverter.
Page D-2	Setup parameters	delete
Page D-7	4.1.4 How to program setup parameters	delete
Page D-8	When TYP is set to 3, the set up parameter is displayed. Setting the setup parameter enable to operate, See 4.1.4.	delete

Correction of “11.Table of parameters and data”

Title	Communi-cation No.	Function	Unit	Minimum setting unit	Adjustment range	Default setting
FMOD	0004	Frequency setting mode selection	-	-	0: Terminal board 1: Operation panel 2: Internal potentiometer 3: Serial communication	2
FMSL	0005	Meter selection	-	-	0: Output frequency 1: Output current 2: Set frequency 3: For adjustment (current fixed at 100%) 4: Inverter load factor 5: Output power 6: Torque current 7: PBr load factor 8: PN voltage 9: Output voltage command 10: Frequency of VIA 11: Frequency command after PI	0
TYP	0007	Standard setting mode selection	-	-	0: -(invalid) 1: 50 Hz setting 2: 60 Hz setting 3: Default setting 4: Trip clear 5: Cumulative operation time clear 6: Initialization of type information	0
Pt	0015	V/F control mode selection	-	-	0: V/F constant 1: Variable torque 2: Automatic torque boost 3: Sensorless Vector control 4: Automatic energy-saving 5: Sensorless Vector control (VFS7 mode)	0
F105	0105	Movement of F/R input at same time	-	-	0: Reverse run 1: Stop	0
F110	0110	Always-active function selection	-	-	0-53	0
F111	0111	Input terminal selection 1 (F)	-	-	0-53 (F)	2
F112	0112	Input terminal selection 2 (R)	-	-	0-53 (R)	3
F113	0113	Input terminal selection 3 (RST)	-	-	0-53 (RST)	10
F114	0114	Input terminal selection 4 (S1)	-	-	0-53 (SS1)	6
F115	0115	Input terminal selection 5 (S2)	-	-	0-53 (SS2)	7
F116	0116	Input terminal selection 6 (S3)	-	-	0-53 (SS3)	8
F130	0130	Output terminal selection 1 (RY-RC)	-	-	0-41 (LOW)	4
F131	0131	Output terminal selection 2 (OUT)	-	-	0-41 (RCH)	6
F132	0132	Output terminal selection 3 (FL)	-	-	0-41 (FL)	10
F254	0254	Motor shaft fixing control	-	-	0: Disabled 1: Enabled	0
F256	0256	Auto stop of continuous running at LL	s	0.1	0.0: Disabled 0.1-25.5	0.0

Title	Communi-cation No.	Function	Unit	Minimum setting unit	Adjustment range	Default setting
F261	0261	Jog run stopping pattern	-	-	0: Slowdown stop 1: Coast stop 2: DC braking 3: Slowdown stop (panel jog mode) 4: Coast stop (panel jog mode) 5: DC braking (panel jog mode)	0
F301	0301	Auto-restart control selection	-	-	0: Disabled 1: At auto-restart after momentary stop 2: When turning ST-CC on or off 3: At auto-restart or when turning ST-CC on or off 4: Motion of DC braking at start-up (at auto-restart after momentary stop) 5: Motion of DC braking at start-up (when turning ST-CC on or off) 6: Motion of DC braking at start-up (at auto -restart or when turning ST-CC on or off) 7: At first power on, or at auto-restart after momentary stop, or when turning ST-CC on/off, or restart from low frequency of FH or UL. 8: Motion of DC braking at start-up (At first power on or at auto-restart after momentary stop, or when turning ST-CC on /off) 9: Restart from low frequency of FH or UL at every start up (for changing sequence from commercial power supply) 10: Motion of DC braking at start-up (every start up) 11: At auto-restart after momentary stop (if command frequency is higher than starting frequency) 12: when turning ST-CC on or off (if command frequency is higher than starting frequency) 13: At auto-restart or when turning ST-CC on or off (if command frequency is higher than starting frequency)	0
F302	0302	Regenerative power ride-through control	-	-	0: Disabled 1: Enabled 2: Enabled (deceleration stop)	0
F305	0305	Overvoltage limit operation	-	-	0: Enabled 1: Prohibited 2: Enabled (quick deceleration with overexcitation)	0
F306	0306	Output voltage adjustment (Base frequency voltage)	V	1	0 to 300V, 0 to 600V	200V/ 400V
F307	0307	Supply voltage correction	-	-	0: Supply voltage uncorrected, output voltage limited 1: Supply voltage corrected, output voltage limited 2: Supply voltage corrected (off during deceleration), output voltage limited 3: Supply voltage uncorrected, output voltage unlimited 4: Supply voltage corrected, output voltage unlimited 5: Supply voltage corrected (off during deceleration), output voltage unlimited	AN type 1 WN/WP type 3
F319	0319	Voltage gain of overexcitation	-	1	0-255	*1
F320	0320	Drooping gain	%	0.1	0-25.0	0.1
F323	0323	Drooping insensitive torque band	%	1	0-100	0
F409	0409	Torque current filter	-	-	0-8	2
F613	0613	Selection of output short-circuit detection pulse during start-up	-	-	0: 60usec, every start to run 1: 60usec, only at power on or reset 2: 30usec, every start to run 3: 30usec, only at power on or reset	0
F616	0616	Over-torque (trip/alarm) level	%	1	0-250	150

Title	Communi-cation No.	Function	Unit	Minimum setting unit	Adjustment range	Default setting
F626	0626	Overvoltage limit operation level	%	1	50-150	*1
F633	0633	VIA analog input line break detection	%	1	0: Disabled 1-100%	0
F700	0700	Prohibition of change of parameter settings	-	-	0: RUN/STOP key is effective Parameter setting permitted (CMOD, FMOD cannot be changed during operation) 1: RUN/STOP key is effective Parameter setting permitted (Panel frequency setting prohibited also) 2: RUN/STOP key is effective Parameter setting permitted (CMOD, FMOD change is possible during operation) 3: RUN/STOP key is effective Parameter setting prohibited (Panel frequency setting permitted) 4: RUN/STOP key is prohibited Parameter setting permitted (CMOD, FMOD is not possible during operation) 5: RUN/STOP key is prohibited Parameter setting is prohibiited (Panel frequency setting prohibited) 6: RUN/STOP key is prohibited Parameter setting permitted (CMOD, FMOD change is possible during operation) 7: RUN/STOP key is prohibited Parameter setting prohibited (Panel frequency setting permitted)	0
F710	0710	Standard monitor display selection	-	-	0: Operation frequency (Hz/free unit) 1: Output current (%/A) 2. Frequency command (Hz/free unit) 3: Inverter rated current (A) 4: Inverter over load factor (%) 5: Output power (%) 6: After compensation frequency (Hz/free unit)	0
F802	0802	Inverter number	-	1	0-255	0
F805	0805	Communication internal	s	0.01	0.00-2.00	0.00
F806	0806	Inter-drive communication	-	-	0: Normal 1: Frequency reference 2: Output frequency	0
F880	0880	Free memorize	-	-	0-65535	0

■Default settings by inverter rating

Inverter model	Voltage gain of overexcitation	Overvoltage limit operation level
	F319	F626
VFS9S-2002PL	54	135
VFS9S-2004PL	68	135
VFS9S-2007PL	58	135
VFS9S-2015PL	38	135
VFS9S-2022PL	40	135
VFS9-2002PM	54	135
VFS9-2004PM	68	135
VFS9-2007PM	53	135
VFS9-2015PM	38	135
VFS9-2022PM	40	135
VFS9-2037PM	33	135
VFS9-2055PL	30	135
VFS9-2075PL	23	135
VFS9-2110PM	25	135
VFS9-2150PM	19	135
VFS9-4007PL	51	140
VFS9-4015PL	40	140
VFS9-4022PL	40	140
VFS9-4037PL	36	140
VFS9-4055PL	31	140
VFS9-4075PL	24	140
VFS9-4110PL	24	140
VFS9-4150PL	19	140

Additional function of “Table of Input terminal functions”

Function No.	code	Function	Action
52	FCR	Forced operation (factory setting needed)	ON: Forced operation (factory setting needed) OFF: Normal operation
53	FIRES	Fire speed control	ON: Fire speed operation (preset operation frequency 15) OFF: Normal operation

Additional function of “Table of output terminal functions”

Function No.	code	Function	Action
30	RDY1	Ready for operation (including ST, RUN)	ON: Ready for operation (ST, RUN ready) OFF: Others
31	RDY1N	Inversion of ready for operation (including ST, RUN)	Inversion of RDY1
32	RDY2	Ready for operation	ON: Ready for operation (except ST, RUN) OFF: Others
33	RDY2N	Inversion of ready for operation	Inversion of RDY2
34	FCVIA	Selection of frequency reference for VIA	ON: VIA is selected as frequency reference OFF: Other than VIA is selected as frequency reference
35	FCVIAN	Selection of frequency reference for VIA (inverted)	Inversion of FCVIA
36	TBVIA	Selection of terminal for VIA	ON: VIA is effective as frequency reference at terminal OFF: VIB is effective as frequency reference at terminal
37	TBVIAN	Selection of terminal for VIA (inverted)	Inversion of TBVIA
38	OUT0	Communication data output 1	ON: Set data by communication FA50: BIT0 is 1 OFF: Set data by communication FA50: BIT0 is 0
39	OUT0N	Communication data output 1 (inverted)	Inversion of OUT0
40	OUT1	Communication data output 2	ON: Set data by communication FA50: BIT1 is 1 OFF: Set data by communication FA50: BIT1 is 0
41	OUT1N	Communication data output 2 (inverted)	Inversion of OUT1

Additional trip of “8.2 Display of trip information”

E-18	0032	VIA analog input line break detected

Additional trip of “13.1 Trip causes / warnings and remedies”

Error code	Communication No.	Problem	Possible cause	Remedies
* E-18	0032	VIA analog input line break detected	VIA input less than F633 setting continued longer than 0.3sec	Check F633 setting value or VIA input value

* ON/OFF of parameter trip is selectable

The status of “Frequency command after PI” is added at the status monitor mode.
This status is displayed between “Cumulative operation time” and “Torque current”.

Item displayed	LED display	Communication No.	Description
Frequency command after PI	F60.0	FE15	Frequency command after PI calculation is displayed.