

VFA7/VFP7 Parameter List (Ver311,312)

Setting date	
Customer	
End user	
Application	
Application No/ Serial No	
Inverter's Type-Form	
Quantity	
Inverter's Serial No	
Motor's capacity	

If user's setting value is same as shipping value, entry column is blank.

-Connected option

Option's name (Type-Form)

Notice:

This parameter list is created by Ver312 parameter.

Ver311 doesn't have F396, F397, F398, F455, F456, F633.

Ver307 doesn't have several parameter and function.

-Terminal stand use state

	Terminal Name	Use state
Main terminal block	PA	
	PB	
	PC	
	P0	
	R/L1	
	S/L2	
	T/L3	
	U/T1	
	V/T2	
	W/T3	
	R0(R46, 41 *1)	
	S0	
	R20 *1	
	S20 *1	
	PR1 *2	
	PB1 *2	
	PA1 *2	
	E/G	
Control terminal block	F	
	R	
	ST	
	RES	
	S1	
	S2	
	S3	
	S4	
	CC	
	PP	
	RR	
	VI	
	II	
	RX	
	FM	
	AM	
	FP	
	CC	
	P24	
	OUT1	
OUT2		
FLA		
FLB		
FLC		
Switch	For SINK/SOURCE changing	SINK / SOURCE

*1: only 400V input class, over 37kW

*2: only up to 3.7kW

1. Basic parameters (1/2)

Title	Communication No.	Function	Adjustment range	Minimum setup unit	Default setting	Write during running	User Setting	Reference section
<i>RV1</i>	0000	Automatic acceleration/deceleration	0: Manual acceleration/deceleration 1: Automatic acceleration/deceleration	-	0	Disabled		5.1
<i>RV2</i>	0001	Automatic V/f mode setting	0: - (0 is always displayed.) 1: Automatic torque boost + auto-tuning 2: Sensorless vector control (speed) + auto-tuning 3: Automatic energy-saving + auto-tuning	-	0	Disabled		5.2
<i>EN0d</i>	0003	Operation command mode selection	0: Terminal block enabled 1: Operating panel enabled 2: Common serial communication option enabled 3: Serial communication RS485 enabled 4: Communication add-on cassette option enabled	-	0	Disabled		5.3
<i>FN0d</i>	0004	Speed setting mode selection	1: VI (voltage input)/II (current input) 2: RR (voltage/voltage input) 3: RX (voltage input) 4: RX2 (voltage input) (optional) 5: Operating panel input 6: Binary/BCD input(optional) 7: Common serial communication option(FA01) 8: Serial communication RS485(FA05) 9: Communication add-on cassette option(FA07) 10: Up-down frequency 11: Pulse input #1 (optional)	-	2	Disabled		5.3
<i>FN5L</i>	0005	FM terminal meter selection	0 ~ 32	-	0	Enabled		5.4
<i>FN</i>	0006	FM terminal meter adjustment	-	-	-	Enabled		5.4
<i>LYP</i>	0007	Standard setting mode selection	0: - 1: 50Hz standard setting 2: 60Hz standard setting 3: Factory default setting 4: Trip clear 5: Clearing accumulating operation time 6: Initialization of type form information 7: Memorization of user-defined parameters 8: Reset of user-defined parameters	-	0	Disabled		5.5

1. Basic parameters (2/2)

Title	Communication No.	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section			
<i>F_r</i>	0008	Forward/reverse selection (At panel control only)	0: Forward, 1: Reverse	-	0	Enabled		5.6			
<i>A_{CC}</i>	0009	Acceleration time #1	0.1(<i>F508</i>) ~ 6000 [s]	0.01/0.01*	Dif. Capa	Enabled		5.1.2			
<i>d_{CC}</i>	0010	Deceleration time #1	0.1(<i>F508</i>) ~ 6000 [s]	0.01/0.01*	Dif. Capa	Enabled		5.1.2			
<i>F_H</i>	0011	Maximum frequency	30.0 ~ 400.0 [Hz]	0.01/0.01	80	Disabled		5.7			
<i>U_L</i>	0012	Upper limit frequency	0.0 ~ <i>F_H</i> [Hz]	0.01/0.01	80	Enabled		5.8			
<i>L_L</i>	0013	Lower limit frequency	0.0 ~ <i>U_L</i> [Hz]	0.01/0.01	0.0	Enabled		5.8			
<i>u_L</i>	0014	Base frequency #1	25.0 ~ 400.0 [Hz]	0.01/0.01	60	Enabled		5.9			
<i>P_t</i>	0015	Motor control mode selection	0: Constant torque 1: Variable torque mode 2: Automatic torque boost 3: Sensorless vector control (speed) 4: Automatic torque boost + automatic energy-saving 5: Sensorless vector control (speed) + automatic energy-saving 6: V/f 5-points setting 7: Sensorless vector control (speed/torque switching) 8: PG feedback vector control (speed/torque switching) 9: PG feedback vector control (speed/position switching)	-	0	Disabled		5.10			
<i>u_b</i>	0016	Manual torque boost	0 ~ 30%	0.1/0.01	Dif. Capa	Enabled		5.12			
<i>O_{L_A}</i>	0017	Selection of electronic thermal protection characteristics	Setting	Type	Overload protection	Overload stall	-	0	Disabled		5.13
			0	Standard motor	protect	not stall					
			1		protect	stall					
			2		not protect	not stall					
			3	VF motor (special motor)	not protect	stall					
			4		protect	not stall					
			5		protect	stall					
			6		not protect	not stall					
7	not protect	stall									
<i>S_{r1}</i>	0018	Preset-speed #1	<i>L_L</i> ~ <i>U_L</i> [Hz]	0.01/0.01	0.0	Enabled		5.14			
<i>S_{r2}</i>	0019	Preset-speed #2	<i>L_L</i> ~ <i>U_L</i> [Hz]	0.01/0.01	0.0	Enabled					
<i>S_{r3}</i>	0020	Preset-speed #3	<i>L_L</i> ~ <i>U_L</i> [Hz]	0.01/0.01	0.0	Enabled					
<i>S_{r4}</i>	0021	Preset-speed #4	<i>L_L</i> ~ <i>U_L</i> [Hz]	0.01/0.01	0.0	Enabled					
<i>S_{r5}</i>	0022	Preset-speed #5	<i>L_L</i> ~ <i>U_L</i> [Hz]	0.01/0.01	0.0	Enabled					
<i>S_{r6}</i>	0023	Preset-speed #6	<i>L_L</i> ~ <i>U_L</i> [Hz]	0.01/0.01	0.0	Enabled					
<i>S_{r7}</i>	0024	Preset-speed #7	<i>L_L</i> ~ <i>U_L</i> [Hz]	0.01/0.01	0.0	Enabled					
<i>F1--</i> ~ <i>F9--</i>	-	Extended parameter	Setting of extended parameters listed on the following pages	-	-	-		4.1.2			
<i>Gr.U</i>	-	Automatic edit function	To search parameters different from default value	-	-	-		4.1.3			

2. Extended parameters

[1] Frequency signal

Title	Communication No.	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
<i>F 100</i>	0100	Low-speed signal output frequency	0.0 ~ \underline{UL} [Hz]	0.01/0.01	0.0	Enabled		6.1.1
<i>F 101</i>	0101	Speed reach setting frequency	0.0 ~ \underline{UL} [Hz]	0.01/0.01	0.0	Enabled		6.1.2
<i>F 102</i>	0102	Speed reach detection band	0.0 ~ \underline{UL} [Hz]	0.01/0.01	2.5	Enabled		6.1.2

[2] Input signal selection

Title	Communication No.	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
<i>F 103</i>	0103	ST (standby) signal selection	0: Standard, 1: Always ON, 2: Interlock with F/R terminal	-	0	Disabled		6.2.1
<i>F 105</i>	0105	Priority selection (both F-CC, R-CC are ON)	0: Reverse, 1: Stop	-	0	Disabled		6.2.2
<i>F 106</i>	0106	Priority setting of input terminal	0: Disabled, 1: Enabled	-	0	Disabled		6.2.3
<i>F 107</i>	0107	Binary/BCD signal selection (Expansion TB option unit)	0: None 1: 12-bit binary input 2: 16-bit binary input 3: 3-digit BCD input 4: 4-digit BCD input 5: Reverse 12-bit binary input 6: Reverse 16-bit binary input 7: Reverse 3-digit BCD input 8: Reverse 4-digit BCD input	-	0	Disabled		
<i>F 108</i>	0108	Up-down frequency	0 ~ 7	1/1	0	Disabled		

[3] Terminal function selection (1/2)

Title	Communication No.	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
<i>F 110</i>	0110	Always active function selection	0 ~ 135	-	0	Disabled		6.3.1
<i>F 111</i>	0111	Input terminal selection #1 (F)	0 ~ 135	-	2(F)	Disabled		7.2.1
<i>F 112</i>	0112	Input terminal selection #2 (R)	0 ~ 135	-	4(R)	Disabled		7.2.1
<i>F 113</i>	0113	Input terminal selection #3 (ST)	0 ~ 135	-	6(ST)	Disabled		7.2.1
<i>F 114</i>	0114	Input terminal selection #4 (RES)	0 ~ 135	-	8(RES)	Disabled		7.2.1
<i>F 115</i>	0115	Input terminal selection #5 (S1)	0 ~ 135	-	10(S1)	Disabled		7.2.1
<i>F 116</i>	0116	Input terminal selection #6 (S2)	0 ~ 135	-	12(S2)	Disabled		7.2.1
<i>F 117</i>	0117	Input terminal selection #7 (S3)	0 ~ 135	-	14(S3)	Disabled		7.2.1
<i>F 118</i>	0118	Input terminal selection #8 (S4)	0 ~ 135	-	16(S4)	Disabled		7.2.1
<i>F 119</i>	0119	Input terminal selection #9	0 ~ 135	-	0	Disabled		7.2.1
<i>F 120</i>	0120	Input terminal selection #10	0 ~ 135	-	0	Disabled		7.2.1

(Reference section): Refer to the inverter's individual manual.

[3] Terminal function selection (2/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F 121	0121	Input terminal selection #11	0 ~ 135	-	0	Disabled		7.2.1
F 122	0122	Input terminal selection #12	0 ~ 135	-	0	Disabled		7.2.1
F 123	0123	Input terminal selection #13	0 ~ 135	-	0	Disabled		7.2.1
F 124	0124	Input terminal selection #14	0 ~ 135	-	0	Disabled		7.2.1
F 125	0125	Input terminal selection #15	0 ~ 135	-	0	Disabled		7.2.1
F 126	0126	Input terminal selection #16	0 ~ 135	-	0	Disabled		7.2.1
F 130	0130	Output terminal selection #1 (OUT1)	0 ~ 119	-	4(LOW)	Disabled		7.2.2
F 131	0131	Output terminal selection #2 (OUT2)	0 ~ 119	-	6(RCH)	Disabled		7.2.2
F 132	0132	Output terminal selection #3 (FL)	0 ~ 119	-	10(FL)	Disabled		7.2.2
F 133	0133	Output terminal selection #4	0 ~ 119	-	0	Disabled		7.2.2
F 134	0134	Output terminal selection #5	0 ~ 119	-	2	Disabled		7.2.2
F 135	0135	Output terminal selection #6	0 ~ 119	-	8	Disabled		7.2.2
F 136	0136	Output terminal selection #7	0 ~ 119	-	14	Disabled		7.2.2

[4] Terminal response time setup

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F 140	0140	Input terminal #1 response time(F)	2 to 200 [ms] (in steps of 2.5 [ms])	(*1)	8	Disabled		7.2.3
F 141	0141	Input terminal #2 response time(R)	2 to 200 [ms] (in steps of 2.5 [ms])	(*1)	8	Disabled		7.2.3
F 142	0142	Input terminal #3 response time(ST)	2 to 200 [ms] (in steps of 2.5 [ms])	(*1)	8	Disabled		7.2.3
F 143	0143	Input terminal #4 response time(RES)	2 to 200 [ms] (in steps of 2.5 [ms])	(*1)	8	Disabled		7.2.3
F 144	0144	Input terminal #5-#8 response time	2 to 200 [ms] (in steps of 2.5 [ms])	(*1)	8	Disabled		7.2.3
F 145	0145	Input terminal #9-#16 response time	2 to 200 [ms] (in steps of 2.5 [ms])	(*1)	8	Disabled		7.2.3
F 150	0150	Output terminal #1 delay time (OUT1)	2 to 200 [ms] (in steps of 2.5 [ms])	(*1)	2	Disabled		7.2.3
F 151	0151	Output terminal #2 delay time (OUT2)		(*1)	2	Disabled		7.2.3
F 152	0152	Output terminal #3 delay time (FL)		(*1)	2	Disabled		7.2.3
F 153	0153	Output terminal #4 delay time		(*1)	2	Disabled		7.2.3
F 154	0154	Output terminal #5 delay time		(*1)	2	Disabled		7.2.3
F 155	0155	Output terminal #6 delay time		(*1)	2	Disabled		7.2.3
F 156	0156	Output terminal #7 delay time		(*1)	2	Disabled		7.2.3
F 160	0160	Output terminal #1 holding time (OUT1)	2 to 200 [ms] (in steps of 2.5 [ms])	(*1)	2	Disabled		7.2.3
F 161	0161	Output terminal #2 holding time (OUT2)		(*1)	2	Disabled		7.2.3
F 162	0162	Output terminal #3 holding time (FL)		(*1)	2	Disabled		7.2.3
F 163	0163	Output terminal #4 holding time		(*1)	2	Disabled		7.2.3
F 164	0164	Output terminal #5 holding time		(*1)	2	Disabled		7.2.3
F 165	0165	Output terminal #6 holding time		(*1)	2	Disabled		7.2.3
F 166	0166	Output terminal #7 holding time		(*1)	2	Disabled		7.2.3

(*1)The minimum setting unit is 2.5 [ms]. Please input a value which is a multiple of 2.5 and omitted below the decimal point.

[5] Basic parameters #2

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
<i>F 170</i>	0170	Base frequency #2	25.0 ~ 400.0 [Hz]	0.01/0.01	60.0	Enabled		6.4.1
<i>F 171</i>	0171	Base frequency voltage #2	0.0 ~ 600.0 [V]	0.1/0.1	Dif. Capa	Enabled		6.4.1
<i>F 172</i>	0172	Manual torque boost #2	0.0 ~ 30.0 [%]	0.1/0.01	Dif. Capa	Enabled		6.4.1
<i>F 173</i>	0173	Motor overload protection level #2	10 ~ 100 [%]	1/0.01	100.0	Enabled		6.4.1
<i>F 174</i>	0174	Base frequency #3	25.0 ~ 400.0 [Hz]	0.01/0.01	60.0	Enabled		6.4.1
<i>F 175</i>	0175	Base frequency voltage #3	0.0 ~ 600.0 [V]	0.1/0.1	Dif. Capa	Enabled		6.4.1
<i>F 176</i>	0176	Manual torque boost #3	0.0 ~ 30.0 [%]	0.1/0.01	Dif. Capa	Enabled		6.4.1
<i>F 177</i>	0177	Motor overload protection level #3	10 ~ 100 [%]	1/0.01	100	Enabled		6.4.1
<i>F 178</i>	0178	Base frequency #4	25.0 ~ 400.0 [Hz]	0.01/0.01	60.0	Enabled		6.4.1
<i>F 179</i>	0179	Base frequency voltage #4	0.0 ~ 600.0 [V]	0.1/0.1	Dif. Capa	Enabled		6.4.1
<i>F 180</i>	0180	Manual torque boost #4	0.0 ~ 30.0 [%]	0.1/0.01	Dif. Capa	Enabled		6.4.1
<i>F 181</i>	0181	Motor overload protection level #4	10 ~ 100 [%]	1/0.01	100	Enabled		6.4.1
<i>F 182</i>	0182	Motor switching mode selection	0: standard, 1: customized	-	0	Disabled		
<i>F 183</i>	0183	V/f adjustment coefficient	0 ~ 255	1/1	32	Enabled		

[6] V/f 5-point setting

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
<i>F 190</i>	0190	V/f 5-point setting VF1 frequency	0 ~ 400 [Hz]	1/1	0	Disabled		6.5
<i>F 191</i>	0191	V/f 5-point setting VF1 voltage	0 ~ 100 [%]	0.1/0.01	0.0	Disabled		6.5
<i>F 192</i>	0192	V/f 5-point setting VF2 frequency	0 ~ 400 [Hz]	1/1	0	Disabled		6.5
<i>F 193</i>	0193	V/f 5-point setting VF2 voltage	0 ~ 100 [%]	0.1/0.01	0.0	Disabled		6.5
<i>F 194</i>	0194	V/f 5-point setting VF3 frequency	0 ~ 400 [Hz]	1/1	0	Disabled		6.5
<i>F 195</i>	0195	V/f 5-point setting VF3 voltage	0 ~ 100 [%]	0.1/0.01	0.0	Disabled		6.5
<i>F 196</i>	0196	V/f 5-point setting VF4 frequency	0 ~ 400 [Hz]	1/1	0	Disabled		6.5
<i>F 197</i>	0197	V/f 5-point setting VF4 voltage	0 ~ 100 [%]	0.1/0.01	0.0	Disabled		6.5
<i>F 198</i>	0198	V/f 5-point setting VF5 frequency	0 ~ 400 [Hz]	1/1	0	Disabled		6.5
<i>F 199</i>	0199	V/f 5-point setting VF5 voltage	0 ~ 100 [%]	0.1/0.01	0.0	Disabled		6.5

(Reference section): Refer to the inverter's individual manual.

[7] Speed/torque reference gain/bias setup (1/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
<i>F200</i>	0200	Reference priority selection	0: <i>F_{NOd}</i> 1: <i>F207</i> 2: <i>F_{NOd}</i> priority (*1) 3: <i>F207</i> priority (*2) 4: <i>F_{NOd}</i> / <i>F207</i> switching	-	0	Enabled		6.6.1
<i>F201</i>	0201	VI/II reference point #1	0 ~ 100 [%]	1/0.01	20.0	Enabled		7.3.2
<i>F202</i>	0202	VI/II reference point #1 frequency	0.0 ~ <i>F_H</i> [Hz]	0.01/0.01	0.0	Enabled		7.3.2
<i>F203</i>	0203	VI/II reference point #2	0 ~ 100 [%]	1/0.01	100	Enabled		7.3.2
<i>F204</i>	0204	VI/II reference point #2 frequency	0.0 ~ <i>F_H</i> [Hz]	0.01/0.01	80.0	Enabled		7.3.2
<i>F205</i>	0205	VI/II reference point #1 rate	-250 ~ 250 [%] (For torque control, etc.)	1/0.01	0	Enabled		6.21.1
<i>F206</i>	0206	VI/II reference point #2 rate	-250 ~ 250 [%] (For torque control, etc.)	1/0.01	100	Enabled		6.21.1
<i>F207</i>	0207	Speed setting mode selection #2	Same as <i>F_{NOd}</i> (1 to 11)	-	1	Enabled		6.61
<i>F208</i>	0208	<i>F_{NOd}</i> / <i>F207</i> switching frequency	0.1 ~ <i>F_H</i> [Hz]	0.01/0.01	1.0	Enabled		6.6.1
<i>F209</i>	0209	Analog input filter	0(Disabled) to 3(Max. filter capacity)	-	0	Enabled		7.2.4
<i>F210</i>	0210	RR reference point #1	0 ~ 100 [%]	1/0.01	0	Enabled		7.3.1
<i>F211</i>	0211	RR reference point #1 frequency	0.0 ~ <i>F_H</i> [Hz]	0.01/0.01	0.0	Enabled		7.3.1
<i>F212</i>	0212	RR reference point #2	0 ~ 100 [%]	1/0.01	100	Enabled		7.3.1
<i>F213</i>	0213	RR reference point #2 frequency	0.0 ~ <i>F_H</i> [Hz]	0.01/0.01	80.0	Enabled		7.3.1
<i>F214</i>	0214	RR reference point #1 rate	0 ~ 250 [%] (For torque control, etc.)	1/0.01	0	Enabled		6.21.1
<i>F215</i>	0215	RR reference point #2 rate	0 ~ 250 [%] (For torque control, etc.)	1/0.01	100	Enabled		6.21.1
<i>F216</i>	0216	RX reference point #1	-100 ~ 100 [%]	1/0.01	0	Enabled		7.3.3
<i>F217</i>	0217	RX reference point #1 frequency	- <i>F_H</i> ~ <i>F_H</i> [Hz] (*3)	0.01/0.01	0.0	Enabled		7.3.3
<i>F218</i>	0218	RX reference point #2	-100 ~ 100 [%]	1/0.01	100	Enabled		7.3.3
<i>F219</i>	0219	RX reference point #2 frequency	- <i>F_H</i> ~ <i>F_H</i> [Hz] (*3)	0.01/0.01	80.0	Enabled		7.3.3
<i>F220</i>	0220	RX reference point #1 rate	0 ~ 250 [%] (For torque control, etc.)	1/0.01	0	Enabled		6.21.1
<i>F221</i>	0221	RX reference point #2 rate	0 ~ 250 [%] (For torque control, etc.)	1/0.01	100	Enabled		6.21.1
<i>F222</i>	0222	RX2 reference point #1	-100 ~ 100 [%]	1/0.01	0	Enabled		
<i>F223</i>	0223	RX2 reference point #1 frequency	- <i>F_H</i> ~ <i>F_H</i> [Hz] (*3)	0.01/0.01	0.0	Enabled		
<i>F224</i>	0224	RX2 reference point #2	-100 ~ 100 [%]	1/0.01	100	Enabled		
<i>F225</i>	0225	RX2 reference point #2 frequency	- <i>F_H</i> ~ <i>F_H</i> [Hz] (*3)	0.01/0.01	80.0	Enabled		
<i>F226</i>	0226	RX2 reference point #1 rate	-250 ~ 250 [%] (For torque control, etc.)	1/0.01	0	Enabled		
<i>F227</i>	0227	RX2 reference point #2 rate	-250 ~ 250 [%] (For torque control, etc.)	1/0.01	100	Enabled		

(*1): When setup frequency(signal set up by *F_{NOd}*) is *F208* or more, signal set up by *F_{NOd}* is accepted, When setup frequency is lower than *F208*, the inverter runs under the signal of *F207*.

(*2): When setup frequency(signal set up by *F207*) is *F208* or more, signal set up by *F207* is accepted, When setup frequency is lower than *F208*, the inverter runs under the signal of *F_{NOd}*.

(*3): Adjustment range is -327.68 ~ 327.67 [Hz] in case of 16-bit access.

(Reference section): Refer to the inverter's individual manual.

[7] Speed/torque reference gain/bias setup (2/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F228	0228	BIN reference point #1	-100 ~ 100 [%]	1/0.01	0	Enabled		
F229	0229	BIN reference point #1 frequency	-FH ~ FH [Hz] (*1)	0.01/0.01	0.0	Enabled		
F230	0230	BIN reference point #2	-100 ~ 100 [%]	1/0.01	100	Enabled		
F231	0231	BIN reference point #2 frequency	-FH ~ FH [Hz] (*1)	0.01/0.01	80.0	Enabled		
F232	0232	BIN reference point #1 rate	-250 ~ 250 [%] (For torque control, etc.)	1/0.01	0	Enabled		
F233	0233	BIN reference point #2 rate	-250 ~ 250 [%] (For torque control, etc.)	1/0.01	100	Enabled		
F234	0234	Pulse reference point #1	-100 ~ 100 [%]	1/0.01	0	Enabled		
F235	0235	Pulse reference point #1 frequency	-FH ~ FH [Hz] (*1)	0.01/0.01	0.0	Enabled		
F236	0236	Pulse reference point #2	-100 ~ 100 [%]	1/0.01	100	Enabled		
F237	0237	Pulse reference point #2 frequency	-FH ~ FH [Hz] (*1)	0.01/0.01	80.0	Enabled		

(*1): Adjustment range is -327.68 ~ 327.67 [Hz] in case of 16-bit access.

[8] Operation frequency

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F240	0240	Start-up frequency	0.0 ~ 10.0 [Hz]	0.01/0.01	0.1	Enabled		6.7.1
F241	0241	Run frequency	0.0 ~ FH [Hz]	0.01/0.01	0.0	Enabled		6.7.2
F242	0242	Run frequency hysteresis	0.0 ~ 30.0 [Hz]	0.01/0.01	0.0	Enabled		6.7.2
F243	0243	Stop frequency	0.0 ~ 30.0 [Hz]	0.01/0.01	0.0	Enabled		6.7.1
F244	0244	0 Hz dead band frequency	0.0 ~ 5.0 [Hz]	0.01/0.01	0.0	Enabled		6.7.3

[9] DC injection braking

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F250	0250	DC injection braking start frequency	0.0 ~ 120.0 [Hz]	0.01/0.01	0.0	Enabled		6.8.1
F251	0251	DC injection braking current	0.0 ~ 100.0 [%]	0.1/0.01	50.0	Enabled		6.8.1
F252	0252	DC injection braking time	0.0 ~ 10.0 [s]	0.1/0.01	1.0	Enabled		6.8.1
F253	0253	Forward/reverse DC braking priority control	0: OFF, 1: ON	-	0	Enabled		6.8.1
F254	0254	Motor shaft fixing control	0: Disabled, 1: Enabled	-	0	Enabled		6.8.2
F255	0255	Zero-speed stop mode selection	0: Standard(DC injection braking), 1: 0Hz command	-	0	Disabled		6.8.3

[10] Jogging operation

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F260	0260	Jog run frequency	0.0 ~ 20.0 [Hz]	0.01/0.01	0.0	Enabled		6.9
F261	0261	Jog stop control	0: Deceleration stop 1: Coast stop 2: DC injection braking stop	-	0	Enabled		6.9

(Reference section): Refer to the inverter's individual manual.

[11] Jumper frequency

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F270	0270	Jump frequency #1	0.0 ~ FH [Hz]	0.01/0.01	0.0	Enabled		6.10
F271	0271	Jump frequency band #1	0.0 ~ 30.0 [Hz]	0.01/0.01	0.0	Enabled		6.10
F272	0272	Jump frequency #2	0.0 ~ FH [Hz]	0.01/0.01	0.0	Enabled		6.10
F273	0273	Jump frequency band #2	0.0 ~ 30.0 [Hz]	0.01/0.01	0.0	Enabled		6.10
F274	0274	Jump frequency #3	0.0 ~ FH [Hz]	0.01/0.01	0.0	Enabled		6.10
F275	0275	Jump frequency band #3	0.0 ~ 30.0 [Hz]	0.01/0.01	0.0	Enabled		6.10
F276	0276	Object of jump frequency process	0: Process amount, 1: Output frequency	-	1	Enabled		6.10

[12] Preset speed operation frequency (8- to 15-stage speed)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F287	0287	Preset-speed #8	LL ~ UL [Hz]	0.01/0.01	0.0	Enabled		5.14
F288	0288	Preset-speed #9	LL ~ UL [Hz]	0.01/0.01	0.0	Enabled		5.14
F289	0289	Preset-speed #10	LL ~ UL [Hz]	0.01/0.01	0.0	Enabled		5.14
F290	0290	Preset-speed #11	LL ~ UL [Hz]	0.01/0.01	0.0	Enabled		5.14
F291	0291	Preset-speed #12	LL ~ UL [Hz]	0.01/0.01	0.0	Enabled		5.14
F292	0292	Preset-speed #13	LL ~ UL [Hz]	0.01/0.01	0.0	Enabled		5.14
F293	0293	Preset-speed #14	LL ~ UL [Hz]	0.01/0.01	0.0	Enabled		5.14
F294	0294	Preset-speed #15	LL ~ UL [Hz]	0.01/0.01	0.0	Enabled		5.14

[13] PWM carrier frequency

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F300	0300	PWM carrier frequency	0.5 ~ 15.0(8.0, 5.0) [kHz] (*1)	0.1/0.001	Dif. Capa	Disabled		6.12

(*1)Upper limits differ by applicable motor capacity. For details, refer to 6.12.

Carrier frequency is automatically limited to less than 10kHz when operation frequency is more than 130Hz.

[14] Tripless intensification setup (1/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F301	0301	Auto-restart	0: Disabled, 1: Enabled(at power failure), 2: Enabled(at ST ON/OFF), 3: Enabled(1+2)	-	0	Enabled		6.13.1
F302	0302	Regenerative power ride-through control / Deceleration stop	0: OFF, 1: ON, 2:ON(Deceleration stop)	-	0	Enabled		6.13.2
F303	0303	Retry selection	0: Disabled, 1 to 10 times	-	0	Enabled		6.13.3
F304	0304	Dynamic braking mode selection	0: Disabled, 1: Enabled/overload detection enabled	-	Dif. Capa	Enabled		6.13.4
F305	0305	Over-voltage stall protection	0: Enabled, 1: Disabled, 2: Enabled (Forced quick deceleration)	-	0	Enabled		6.13.5
F306	0306	Base frequency voltage #1 (output voltage adjustment)	0.0 ~ 600.0 [V]	0.1/0.1	Dif. Capa	Enabled		6.13.6

[14] Tripless intensification setup (2/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F307	0307	Base frequency voltage (Voltage compensation)	0: without voltage compensation (limitless output voltage) 1: with voltage compensation (limitless output voltage) 2: without voltage compensation (limited output voltage) 3: with voltage compensation (limited output voltage)	-	1	Disabled		6.13.6
F308	0308	Dynamic braking resistance	1.0 ~ 1000 []	0.1/0.1	Dif. Capa	Disabled		6.13.4
F309	0309	Dynamic braking resistor capacity	0.01 ~ 600.0 [kW]	0.01/0.01	Dif. Capa	Disabled		6.13.4
F310	0310	Ride-through time / Deceleration time	0.0 ~ 320.0 [s]	0.1/0.01	2.0	Enabled		6.13.2
F311	0311	Reverse-run prohibition	0: Permitted, 1: Reverse run prohibited, 2: Forward run prohibited, 3: Direction designated by command permitted	-	0	Disabled		6.13.7
F312	0312	Auto-restart adjustment #1	0.50 ~ 2.50	0.01/0.01	Dif. Capa	Enabled		6.13.1
F313	0313	Auto-restart adjustment #2	0.50 ~ 2.50	0.01/0.01	Dif. Capa	Enabled		6.13.1
F314	0314	Auto-restart mode	0 ~ 4	1/1	Dif. Capa	Disabled		6.13.1
F315	0315	Auto-restart adjustment #3	0 ~ 9	1/1	1	Disabled		6.13.1

[15] Drooping control

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F320	0320	Drooping gain	0 ~ 100 [%] (Enabled if $P_{\Sigma} = 7, 8$ or 9)	1/0.01	0	Enabled		6.14
F321	0321	Speed at drooping gain 0%	0.0 ~ 320.0 [Hz] (Enabled if $P_{\Sigma} = 7, 8$ or 9)	0.01/0.01	60.0	Enabled		6.14
F322	0322	Speed at drooping gain F320	0.0 ~ 320.0 [Hz] (Enabled if $P_{\Sigma} = 7, 8$ or 9)	0.01/0.01	60.0	Enabled		6.14
F323	0323	Drooping insensitive torque band	0 ~ 100 [%] (Enabled if $P_{\Sigma} = 7, 8$ or 9)	1/0.1	10	Enabled		6.14
F324	0324	Output filter for drooping	0.1 ~ 200.0 [rad/s] (Enabled if $P_{\Sigma} = 7, 8$ or 9)	0.1/0.1	100.0	Enabled		6.14
F325	0325	Load inertia (Acc/Dec torque)	0 ~ 1000	0.1/0.1	1.0	Enabled		
F326	0326	Load torque filter (Acc/Dec torque)	0.0 ~ 199.9, 200.0:without filter	0.1/0.1	200.0	Enabled		
F327	0327	Drooping reference selection	0: Standard, 1: Acc/dec torque removal 2: Internal torque standard 3: Acc/dec torque removal (internal torque standard)	-	0	Enabled		

[16] Functions for lift (1/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F330	0330	Light-load high-speed operation	0 ~ 5	-	0	Disabled		
F331	0331	Light-load high-speed operation switching lower limit frequency	30.0 ~ UL [Hz]	0.01/0.01	40.0	Enabled		
F332	0332	Light-load high-speed operation load waiting time	0.0 ~ 10.0 [s]	0.1/0.1	1.0	Enabled		
F333	0333	Light-load high-speed operation load detection time	0.0 ~ 10.0 [s]	0.1/0.1	1.0	Enabled		
F334	0334	Light-load high-speed operation heavy load detection time	0.0 ~ 10.0 [s]	0.1/0.1	5.0	Enabled		
F335	0335	Switching load torque current during forward run	0 ~ 250 [%]	1	50	Enabled		
F336	0336	Heavy load torque during acceleration in forward direction	0 ~ 250 [%]	1	150(120)	Enabled		
F337	0337	Heavy load torque during fixed speed in forward direction	0 ~ 250 [%]	1	100	Enabled		
F338	0338	Switching load torque current during reverse run	0 ~ 250 [%]	1	50	Enabled		
F339	0339	Heavy load torque during acceleration in reverse direction	0 ~ 250 [%]	1	150	Enabled		

(Reference section): Refer to the inverter's individual manual.

[16] Functions for lift (2/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F340	0340	Heavy load torque during fixed speed in reverse direction	0 ~ 250 [%]	1	100	Enabled		
F341	0341	Automatic light-load high-speed operation frequency	30.0 ~ $\frac{UL}{L}$ [Hz]	0.01/0.01	80.0	Enabled		

[17] Commercial/inverter switching function

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F354	0354	Output signal selection of commercial power/inverter switching	0: OFF, 1: Automatic switching in case of trip 2: Commercial power switching frequency setting enabled 3: Both (1+2)	-	0	Disabled		6.16
F355	0355	Commercial power/inverter switching frequency	0 ~ FH [Hz]	0.01/0.01	60.0	Enabled		6.16
F356	0356	Inverter side switching waiting time	Model dependent ~ 10.00 [s]	0.01/0.01	Dif. Capa	Enabled		6.16
F357	0357	Commercial power side switching waiting time	0.37 ~ 10.00 [s]	0.01/0.01	0.62	Enabled		6.16
F358	0358	Commercial power switching frequency holding time	0.1 ~ 10.0 [s]	0.1/0.01	2.0	Enabled		6.16

[18] PID control

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F360	0360	Signal selection of PID control	0: PID control disabled, 1: VI/II, 2: RR, 3: RX, 4: RX2	-	0	Enabled		
F361	0361	Delay filter	0 ~ 255	-	0	Enabled		
F362	0362	Proportional (P) gain	0.01 ~ 100.0	0.01/0.01	0.1	Enabled		
F363	0363	Integral (I) gain	0.01 ~ 100.0	0.01/0.01	0.1	Enabled		
F364	0364	PID deviation upper limit	0 ~ 50 [%]	1/0.01	50	Enabled		
F365	0365	PID deviation lower limit	0 ~ 50 [%]	1/0.01	50	Enabled		
F366	0366	Differential (D) gain	0.00 ~ 2.55	0.01/0.01	0	Enabled		

[19] Speed feedback/positioning control

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F367	0367	Number of PG input pulses	1 ~ 9999	1/1	500	Disabled		
F368	0368	Number of PG input phases	1: Single-phase input, 2: Two-phase input	-	2	Disabled		
F369	0369	PG disconnection detection	0: Disabled, 1: Enabled	-	0	Disabled		
F370	0370	Electronic gear	100 to 4000 pulses/rotation	1/1	1000	Disabled		
F371	0371	Position loop gain	0.0 ~ 100.0	0.1/0.01	4.0	Enabled		
F372	0372	Positioning completion range	1 ~ 4000	1/1	100	Enabled		
F373	0373	Frequency limit at position control	1 ~ 8000 [Hz/s], 8001: disabled	1/1	800	Disabled		

(Reference section): Refer to the inverter's individual manual.

[20] Vector control

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F374	0374	Current control proportional gain	100.0 ~ 1000	0.1/0.1	209.1	Disabled		
F375	0375	Current control integral gain	100.0 ~ 1250	0.1/0.1	Dif. Capa	Disabled		
F376	0376	Speed loop proportional gain	3.2 ~ 1000	0.1/0.1	Dif. Capa	Enabled		
F377	0377	Speed loop integral gain	0.1 ~ 200.0 [rad/s]	0.1/0.1	Dif. Capa	Enabled		
F378	0378	Motor counter data selection	0 ~ 5	-	0	Disabled		
F379	0379	Speed loop parameter ratio	0.01 ~ 10.00 [s]	0.01/0.01	1.00	Disabled		

[21] Preset-speed operation mode

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F380	0380	Preset-speed operation mode	0: Non-mode preset speed 1: Preset speed by mode	-	0	Disabled		5.14
F381	0381	Preset-speed #1 control mode	0: Forward run +1: Reverse run +2: Selection of acc/dec switching #1 +4: Selection of acc/dec switching #2 +8: Selection of V/f switching #1 +16: Selection of V/f switching #2 +32: Selection of torque limit switching #1 +64: Selection of torque limit switching #2	-	0	Disabled		5.14
F382	0382	Preset-speed #2 control mode	Ditto	-	0	Disabled		5.14
F383	0383	Preset-speed #3 control mode	Ditto	-	0	Disabled		5.14
F384	0384	Preset-speed #4 control mode	Ditto	-	0	Disabled		5.14
F385	0385	Preset-speed #5 control mode	Ditto	-	0	Disabled		5.14
F386	0386	Preset-speed #6 control mode	Ditto	-	0	Disabled		5.14
F387	0387	Preset-speed #7 control mode	Ditto	-	0	Disabled		5.14
F388	0388	Preset-speed #8 control mode	Ditto	-	0	Disabled		5.14
F389	0389	Preset-speed #9 control mode	Ditto	-	0	Disabled		5.14
F390	0390	Preset-speed #10 control mode	Ditto	-	0	Disabled		5.14
F391	0391	Preset-speed #11 control mode	Ditto	-	0	Disabled		5.14
F392	0392	Preset-speed #12 control mode	Ditto	-	0	Disabled		5.14
F393	0393	Preset-speed #13 control mode	Ditto	-	0	Disabled		5.14
F394	0394	Preset-speed #14 control mode	Ditto	-	0	Disabled		5.14
F395	0395	Preset-speed #15 control mode	Ditto	-	0	Disabled		5.14
F396	0396	Torque reference filter #2	10.0 ~ 199.9, 200.0(No filters) *1	1/0.1	200.0	Enabled		6.21.2
F397	0397	Speed loop proportional gain #2	3.2 ~ 1000 *1	0.1/0.1	Dif. Capa	Enabled		
F398	0398	Speed loop integral gain #2	10.0 ~ 200.0 [rad/s] *1	0.1/0.1	Dif. Capa	Enabled		

(Reference section): Refer to the inverter's individual manual.

*1: Ver311 doesn't have these function.

[22] Motor constant

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
<i>F400</i>	0400	Auto-tuning	0: Without auto-tuning (internal table) 1: Motor constant initialization (0 after execution) 2: Automatic tuning execution (0 after execution)	-	0	Disabled		6.20
<i>F401</i>	0401	Slip frequency gain	0.00 ~ 2.55	0.01/0.01	0.60	Enabled		6.20
<i>F402</i>	0402	Motor constant #1 (primary resistance)	0.00 ~ 100000 [m] (*1)	0.01/0.01*	Dif. Capa	Disabled		6.20
<i>F403</i>	0403	Motor constant #2 (secondary resistance)	0.00 ~ 100000 [m] (*1)	0.01/0.01*	Dif. Capa	Disabled		6.20
<i>F404</i>	0404	Motor constant #3 (exciting inductance)	0.0 ~ 6500 [mH]	0.1/0.1	Dif. Capa	Disabled		6.20
<i>F405</i>	0405	Motor constant #4 (load inertia moment)	0.0 ~ 100.0	0.1/0.1	1.0	Enabled		6.20
<i>F410</i>	0410	Motor constant #5 (leak inductance)	0.00 ~ 650.0 [mH]	0.01/0.01	Dif. Capa	Disabled		6.20
<i>F411</i>	0411	Number of motor poles	2, 4, 6, 8, 10, 12, 14, 16	1/1	4	Disabled		6.20
<i>F412</i>	0412	Rated capacity of motor	0.10 ~ [Model Dependent]	0.01/0.01	Dif. Capa	Disabled		6.20
<i>F413</i>	0413	Motor type	0: Toshiba standard motor #1 1: Toshiba VF motor 2: Toshiba V3 motor 3: Toshiba standard motor #2 4: Other motors	-	0	Disabled		6.20
<i>F414</i>	0414	Auto-tuning prohibition	0: Prohibited 1: Valid for sensorless vector 2: Valid for vector with PG	-	1	Disabled		6.20

[23] Torque control

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running		Reference section
<i>F420</i>	0420	Torque reference selection	1: VI/II, 2: RR, 3: RX, 4: RX2(optional), 5: Panel input, 6: Binary/BCD input(optional), 7: Common serial communication option, 8: Serial communication RS485, 9: Communication add-on cassette option	-	3	Enabled		6.21.1
<i>F421</i>	0421	Torque reference filter	10.0 ~ 199.9, 200.0(without filter)	0.1/0.1	200.0	Enabled		6.21.2
<i>F422</i>	0422	Selection of synchronized torque bias input	0: Invalid, 1 to 9 (Same as <i>F420</i>)	-	0	Enabled		6.21.4
<i>F423</i>	0423	Selection of tension torque bias input	0: Invalid, 1 to 9 (Same as <i>F420</i>)	-	0	Enabled		6.21.4
<i>F424</i>	0424	Load sharing gain input selection	0: Invalid, 1 to 9 (Same as <i>F420</i>)	-	0	Enabled		6.21.4
<i>F425</i>	0425	Forward speed limit input selection	0: Invalid, 1: VI/II, 2: RR, 3: RX, 4: RX2(optional), 5: <i>F426</i>	-	0	Enabled		6.21.3
<i>F426</i>	0426	Forward speed limit input level	0.0 ~ $\frac{UL}{L}$ [Hz]	0.01/0.01	80.0	Enabled		6.21.3
<i>F427</i>	0427	Reverse speed limit input selection	0: Invalid, 1: VI/II, 2: RR, 3: RX, 4: RX2(optional), 5: <i>F428</i>	-	0	Enabled		6.21.3
<i>F428</i>	0428	Reverse speed limit input level	0.0 ~ $\frac{UL}{L}$ [Hz]	0.01/0.01	80.0	Enabled		6.21.3
<i>F429</i>	0429	Torque reference mode selection	0: Fixed direction, 1: F/R permitted	-	0	Disabled		3.3.2
<i>F430</i>	0430	Speed limit (torque = 0) reference	0: Invalid, 1: VI/II, 2: RR, 3: RX, 4: RX2(optional), 5: <i>F431</i>	-	0	Enabled		6.21.3
<i>F431</i>	0431	Speed limit (torque = 0) level	0.0 ~ $\frac{FH}{H}$ [Hz]	0.01/0.01	0.0	Enabled		6.21.3
<i>F432</i>	0432	Speed limit (torque = 0) band	0.0 ~ $\frac{FH}{H}$ [Hz]	0.01/0.01	0.0	Enabled		6.21.3
<i>F433</i>	0433	Speed limit (torque = 0) recovery time	0.00 ~ 2.50	0.01/0.01	0.20	Disabled		6.21.3

When adjustment value is 10 (10000m) or more, 1000(in case of 10000m) and $\frac{E}{L}$ blink alternately.

When adjustment value is 100 (10000m), 1000 and $\frac{E}{L}$ blink alternately.

[24] Torque limit

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F440	0440	Selection of power running torque limit #1	1 : VI/II, 2: RR, 3: RX, 4: RX2, 5: F441	-	5	Enabled		6.22
F441	0441	Power running torque limit #1	0 ~ 249.9 [%], 250: Invalid	0.1/0.01	250.0	Enabled		6.22
F442	0442	Selection of regenerative torque limit #1	1 : VI/II, 2: RR, 3: RX, 4: RX2, 5: F443	-	5	Enabled		6.22
F443	0443	Regenerative torque limit #1	0 ~ 249.9 [%], 250: Invalid	0.1/0.01	250.0	Enabled		6.22
F444	0444	Power running torque limit #2	0 ~ 249.9 [%], 250: Invalid	0.1/0.01	250.0	Enabled		6.22
F445	0445	Regenerative torque limit #2	0 ~ 249.9 [%], 250: Invalid	0.1/0.01	250.0	Enabled		6.22
F446	0446	Power running torque limit #3	0 ~ 249.9 [%], 250: Invalid	0.1/0.01	250.0	Enabled		6.22
F447	0447	Regenerative torque limit #3	0 ~ 249.9 [%], 250: Invalid	0.1/0.01	250.0	Enabled		6.22
F448	0448	Power running torque limit #4	0 ~ 249.9 [%], 250: Invalid	0.1/0.01	250.0	Enabled		6.22
F449	0449	Regenerative torque limit #4	0 ~ 249.9 [%], 250: Invalid	0.1/0.01	250.0	Enabled		6.22
F450	0450	Torque limit mode (polarity)	0: Power-running/regenerative torque limit 1: Positive/negative torque limit	-	0	Disabled		6.22
F451	0451	Torque limit mode	0: Standard, 1: without speed cooperation	-	0	Enabled		
F452	0452	Continuous stall trip detection time during power running	0.0 ~ 1.0 [s]	0.1/0.01	0.0	Enabled		-
F453	0453	Stall prevention during regeneration	0: Stall 1: Stall is prevented	-	0	Enabled		-

[25] Speed/torque reference gain/bias setup #2(1/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F454	0454	Current differential gain	0.00 ~ 327.6	0.01/0.01	123.0	Enabled		-
F455	0455	High-speed magnetic field control gain	1.64 ~ 327.6 *1	0.01/0.01	16.38	Enabled		-
F456	0456	High-speed magnetic field rate-of-change limitation gain	1.64 ~ 327.6 *1	0.01/0.01	163.8	Enabled		-
F470	0470	VI/II reference bias	0 ~ 255	1/1	99	Enabled		-
F471	0471	VI/II reference gain	0 ~ 255	1/1	156	Enabled		-
F472	0472	RR reference bias	0 ~ 255	1/1	100	Enabled		-
F473	0473	RR reference gain	0 ~ 255	1/1	164	Enabled		-
F474	0474	RX reference bias	0 ~ 255	1/1		Enabled		-
F475	0475	RX reference gain	0 ~ 255	1/1		Enabled		-
F476	0476	RX2 reference bias	0 ~ 255	1/1		Enabled		-
F477	0477	RX2 reference gain	0 ~ 255	1/1		Enabled		-
F480	0480	Exciting strengthening coefficient	0 ~ 255	1/1	64	Enabled		-
F481	0481	Over-excitation cooperation	0: Enabled, 1: Applied by F480 setting	-	0	Enabled		-
F482	0482	Modulation rate control margin (current control)	80.0 ~ 300.0 [%]	0.1/0.01	90.0	Enabled		-

*1: Ver312 only.

[25] Speed/torque reference gain/bias setup #2(2/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F483	0483	Modulation rate control margin (voltage control)	80.0 ~ 300.0 [%]	0.1/0.01	105.0	Enabled		-
F484	0484	Modulation rate control margin (V/f control)	80.0 ~ 300.0 [%]	0.1/0.01	105.0	Enabled		-
F485	0485	Stall cooperation gain at field weakening zone	0 ~ 255	1/1	128	Enabled		-
F486	0486	Exciting starting rate	1.64 ~ 327.6	0.01/0.01	163.8	Enabled		-
F487	0487	Compensation coefficient for iron loss	0 ~ 255	1/1	10	Enabled		-
F488	0488	Voltage compensation coefficient for dead time	0.00 ~ 327.6	0.01/0.01	Dif. Capa	Enabled		-
F489	0489	Dead time compensation	0: Enabled, 1: Disabled	-	0	Enabled		-
F490	0490	Dead time compensation (bias time)	-3.27 ~ 3.27	0.01/0.001	0.00	Enabled		-
F491	0491	Current / voltage control switching frequency	10.0 ~ 60.0 [Hz]	0.1/0.01	40.0	Enabled		-

[26] Secondary acceleration/deceleration

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F500	0500	Acceleration time #2	0.1(F508) ~ 6000 [s]	0.01/0.01*	Dif. Capa	Enabled		6.23.2
F501	0501	Deceleration time #2	0.1(F508) ~ 6000 [s]	0.01/0.01*	Dif. Capa	Enabled		6.23.2
F502	0502	Acceleration/deceleration pattern #1	0: Linear, 1: S-pattern #1, 2: S-pattern #2	-	0	Enabled		6.23.1
F503	0503	Acceleration/deceleration pattern #2	0: Linear, 1: S-pattern #1, 2: S-pattern #2	-	0	Enabled		6.23.2
F504	0504	Acceleration/deceleration #1,2,3,4 selection	1: Acceleration/deceleration #1 2: Acceleration/deceleration #2 3: Acceleration/deceleration #3 4: Acceleration/deceleration #4	-	1	Enabled		6.23.2
F505	0505	Acc/dec switching frequency #1	0.0 ~ FH [Hz]	0.01/0.01	0.0	Enabled		6.23.2
F506	0506	S-pattern lower-limit adjustment amount	0 ~ 50 [%]	1/0.01	25	Enabled		6.23.1
F507	0507	S-pattern upper-limit adjustment amount	0 ~ 50 [%]	1/0.01	25	Enabled		6.23.1
F508	0508	Acc/dec time lower limit	0.01 ~ 10.00 [s]	0.01/0.01*	0.10	Enabled		6.23.3
F510	0510	Acceleration time #3	0.1(F508) ~ 6000 [s]	0.01/0.01*	Dif. Capa	Enabled		6.23.2
F511	0511	Deceleration time #3	0.1(F508) ~ 6000 [s]	0.01/0.01*	Dif. Capa	Enabled		6.23.2
F512	0512	Acceleration/deceleration pattern #3	0: Linear, 1: S-pattern #1, 2: S-pattern #2	-	0	Enabled		6.23.2
F513	0513	Acc/dec switching frequency #2	0.0 ~ FH [Hz]	0.01/0.01	0.0	Enabled		6.23.2
F514	0514	Acceleration time #4	0.1(F508) ~ 6000 [s]	0.01/0.01*	Dif. Capa	Enabled		6.23.2
F515	0515	Deceleration time #4	0.1(F508) ~ 6000 [s]	0.01/0.01*	Dif. Capa	Enabled		6.23.2
F516	0516	Acceleration/deceleration pattern #4	0: Linear, 1: S-pattern #1, 2: S-pattern #2	-	0	Enabled		6.23.2
F517	0517	Acc/dec switching frequency #3	0.0 ~ FH [Hz]	0.01/0.01	0.0	Enabled		6.23.2

(Reference section): Refer to the inverter's individual manual.

[27] Pattern run (1/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F520	0520	Pattern run selection	0: Disabled, 1: Enabled	-	0	Disabled		6.24
F521	0521	Pattern run mode	0: Patterned operation canceled during stop 1: Patterned operation continued during stop	-	0	Disabled		6.24
F530	0530	Cycle number of pattern group #1	1 ~ 254, 255:	1/1	1	Disabled		6.24
F531	0531	Pattern group #1 selection #1	0: Skip, 1 to 15	-	1	Disabled		6.24
F532	0532	Pattern group #1 selection #2	0: Skip, 1 to 15	-	2	Disabled		6.24
F533	0533	Pattern group #1 selection #3	0: Skip, 1 to 15	-	3	Disabled		6.24
F534	0534	Pattern group #1 selection #4	0: Skip, 1 to 15	-	4	Disabled		6.24
F535	0535	Pattern group #1 selection #5	0: Skip, 1 to 15	-	5	Disabled		6.24
F536	0536	Pattern group #1 selection #6	0: Skip, 1 to 15	-	6	Disabled		6.24
F537	0537	Pattern group #1 selection #7	0: Skip, 1 to 15	-	7	Disabled		6.24
F538	0538	Pattern group #1 selection #8	0: Skip, 1 to 15	-	8	Disabled		6.24
F540	0540	Cycle number of pattern group #2	1 ~ 254, 255:	1/1	1	Disabled		6.24
F541	0541	Pattern group #2 selection #1	0: Skip, 1 to 15	-	9	Disabled		6.24
F542	0542	Pattern group #2 selection #2	0: Skip, 1 to 15	-	10	Disabled		6.24
F543	0543	Pattern group #2 selection #3	0: Skip, 1 to 15	-	11	Disabled		6.24
F544	0544	Pattern group #2 selection #4	0: Skip, 1 to 15	-	12	Disabled		6.24
F545	0545	Pattern group #2 selection #5	0: Skip, 1 to 15	-	13	Disabled		6.24
F546	0546	Pattern group #2 selection #6	0: Skip, 1 to 15	-	14	Disabled		6.24
F547	0547	Pattern group #2 selection #7	0: Skip, 1 to 15	-	15	Disabled		6.24
F548	0548	Pattern group #2 selection #8	0: Skip, 1 to 15	-	0	Disabled		6.24
F550	0550	Cycle number of pattern group #3	1 ~ 254, 255:	1/1	1	Disabled		6.24
F551	0551	Pattern group #3 selection #1	0: Skip, 1 to 15	-	1	Disabled		6.24
F552	0552	Pattern group #3 selection #2	0: Skip, 1 to 15	-	2	Disabled		6.24
F553	0553	Pattern group #3 selection #3	0: Skip, 1 to 15	-	3	Disabled		6.24
F554	0554	Pattern group #3 selection #4	0: Skip, 1 to 15	-	4	Disabled		6.24
F555	0555	Pattern group #3 selection #5	0: Skip, 1 to 15	-	5	Disabled		6.24
F556	0556	Pattern group #3 selection #6	0: Skip, 1 to 15	-	6	Disabled		6.24
F557	0557	Pattern group #3 selection #7	0: Skip, 1 to 15	-	7	Disabled		6.24
F558	0558	Pattern group #3 selection #8	0: Skip, 1 to 15	-	8	Disabled		6.24
F560	0560	Cycle number of pattern group #4	1 ~ 254, 255:	1/1	1	Disabled		6.24
F561	0561	Pattern group #4 selection #1	0: Skip, 1 to 15	-	9	Disabled		6.24
F562	0562	Pattern group #4 selection #2	0: Skip, 1 to 15	-	10	Disabled		6.24
F563	0563	Pattern group #4 selection #3	0: Skip, 1 to 15	-	11	Disabled		6.24
F564	0564	Pattern group #4 selection #4	0: Skip, 1 to 15	-	12	Disabled		6.24
F565	0565	Pattern group #4 selection #5	0: Skip, 1 to 15	-	13	Disabled		6.24
F566	0566	Pattern group #4 selection #6	0: Skip, 1 to 15	-	14	Disabled		6.24
F567	0567	Pattern group #4 selection #7	0: Skip, 1 to 15	-	15	Disabled		6.24
F568	0568	Pattern group #4 selection #8	0: Skip, 1 to 15	-	0	Disabled		6.24

[27] Pattern run (2/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
<i>F570</i>	0570	Preset-speed #1 operation continuation mode	0: Operation time in second after start of operation 1: Operation time in minute after start of operation 2: Operation time in second after attainment of frequency 3: Operation time in minute after attainment of frequency 4: Infinite (continued until stop command is entered) 5: Continue until next step command	-	0	Disabled		6.24
<i>F571</i>	0571	Preset-speed #2 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F572</i>	0572	Preset-speed #3 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F573</i>	0573	Preset-speed #4 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F574</i>	0574	Preset-speed #5 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F575</i>	0575	Preset-speed #6 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F576</i>	0576	Preset-speed #7 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F577</i>	0577	Preset-speed #8 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F578</i>	0578	Preset-speed #9 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F579</i>	0579	Preset-speed #10 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F580</i>	0580	Preset-speed #11 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F581</i>	0581	Preset-speed #12 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F582</i>	0582	Preset-speed #13 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F583</i>	0583	Preset-speed #14 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F584</i>	0584	Preset-speed #15 operation continuation mode	Ditto	-	0	Disabled		6.24
<i>F585</i>	0585	Preset-speed #1 operation time	1 ~ 8000 [s] / [min] (The unit depends on <i>F570</i>)	1/1	5	Enabled		6.24
<i>F586</i>	0586	Preset-speed #2 operation time	Ditto	1/1	5	Enabled		6.24
<i>F587</i>	0587	Preset-speed #3 operation time	Ditto	1/1	5	Enabled		6.24
<i>F588</i>	0588	Preset-speed #4 operation time	Ditto	1/1	5	Enabled		6.24
<i>F589</i>	0589	Preset-speed #5 operation time	Ditto	1/1	5	Enabled		6.24
<i>F590</i>	0590	Preset-speed #6 operation time	Ditto	1/1	5	Enabled		6.24
<i>F591</i>	0591	Preset-speed #7 operation time	Ditto	1/1	5	Enabled		6.24
<i>F592</i>	0592	Preset-speed #8 operation time	Ditto	1/1	5	Enabled		6.24
<i>F593</i>	0593	Preset-speed #9 operation time	Ditto	1/1	5	Enabled		6.24
<i>F594</i>	0594	Preset-speed #10 operation time	Ditto	1/1	5	Enabled		6.24
<i>F595</i>	0595	Preset-speed #11 operation time	Ditto	1/1	5	Enabled		6.24
<i>F596</i>	0596	Preset-speed #12 operation time	Ditto	1/1	5	Enabled		6.24
<i>F597</i>	0597	Preset-speed #13 operation time	Ditto	1/1	5	Enabled		6.24
<i>F598</i>	0598	Preset-speed #14 operation time	Ditto	1/1	5	Enabled		6.24
<i>F599</i>	0599	Preset-speed #15 operation time	Ditto	1/1	5	Enabled		6.24

[28] Protection functions

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F600	0600	Motor overload protection level #1	10 ~ 100 [%]	1/0.01	100	Enabled		5.13
F601	0601	Stall prevention level	0 ~ 199 [%], 200: Disabled	1/0.01	150	Enabled		6.25.2
F602	0602	Selection of inverter trip holding	0: Cleared if power is turned off 1: Held even if power is turned off	-	0	Disabled		6.25.3
F603	0603	Emergency stop	0: Coast stop 1: Deceleration stop 2: Emergency DC injection braking stop 3: Coast stop without FL output 4: Deceleration stop without FL output 5: Emergency DC injection braking without FL output	-	0	Disabled		6.25.4
F604	0604	Emergency DC injection braking control time	0.0 ~ 10.0 [s]	0.1/0.01	0.1	Enabled		6.25.4
F605	0605	Output phase failure detection	0: Disabled, 1: Enabled	-	0	Disabled		
F606	0606	Overload reduction start-up frequency	0.0 ~ 30.0 [Hz]	0.01/0.01	6.0	Enabled		5.13
F607	0607	Motor 150%-overload time limit	10 ~ 2400 [s]	1/1	600	Enabled		5.13
F608	0608	Relay injection timing for rush-current suppression	0.3 ~ 2.5 [s]	0.1/0.01	0.3	Disabled		
F609	0609	Mode of rush-current suppression relay	0: Standard, 1: in relation to ST	-	0	Disabled		
F610	0610	Low current trip	0: Disabled, 1: Enabled	-	0	Disabled		6.25.7
F611	0611	Low current detection level	0 ~ 100 [%]	1/0.01	0	Enabled		6.25.7
F612	0612	Low current detection time	0 ~ 255 [s]	1/1	0	Enabled		6.25.7
F613	0613	Detection of output short-circuit during start-up	0: Standard 1: Only one time at power injection or at first start after reset	-	0	Disabled		6.25.8
F614	0614	Adjustment of detection pulse for output short-circuit during start-up	1 ~ 100 [μ s]	1/1	50	Disabled		6.25.8
F615	0615	Over-torque trip	0: Disabled, 1: Enabled	-	0	Enabled		6.25.9
F616	0616	Over-torque detection level during power running	0 ~ 250 [%]	1/0.01	150(120)	Enabled		6.25.9
F617	0617	Over-torque detection level during regeneration	0 ~ 250 [%]	1/0.01	150(120)	Enabled		6.25.9
F618	0618	Over-torque detection time	0.0 ~ 100.0 [s]	0.1/0.01	0.5	Enabled		6.25.9
F620	0620	Cooling fan control mode	0: Automatic, 1: Always ON	-	0	Enabled		6.25.10
F621	0621	Cumulative operation time alarm setting	0.1 ~ 999.9 [\times 100h]	0.1/0.1	175.0	Enabled		6.25.11
F622	0622	Abnormal speed detection filter	0.01 ~ 100.0 [s] (*1)	0.01/0.01	10.00	Enabled		
F623	0623	Over-speed detection frequency range	0: Disabled, 0.1 ~ 30.0 [Hz]	0.01/0.01	0.0	Enabled		
F624	0624	Speed drop detection frequency range	0: Disabled, 0.1 ~ 30.0 [Hz]	0.01/0.01	0.0	Enabled		
F625	0625	Over-voltage stall protection level (high response)	50 ~ 250 [%]	1/0.01	135	Enabled		6.13.5
F626	0626	Over-voltage stall protection level	50 ~ 250 [%]	1/0.01	130	Enabled		6.13.5
F627	0627	Under-voltage trip mode	0: Disabled, 1: Enabled	-	0	Disabled		6.25.13
F628	0628	Under-voltage detection time	0.00 ~ 10.00 [s]	0.01/0.01	0.03	Disabled		6.25.14
F629	0629	Under-voltage stall level	50 ~ 100 [%]	1/0.01	75	Enabled		6.25.15
F630	0630	System-supporting sequence(B-timer)	0.0: Invalid, 0.1 ~ 10.0 [s]	0.1/0.01	0.0	Enabled		
F631	0631	Position deviation limit	0.1 ~ 6553	0.1/0.1	16	Disabled		
F632	0632	Brake release inhibition time after run	0.00: Setting of F612 is valid, 0.01 ~ 2.50 [s]	0.01/0.01	0.00	Disabled		
F633	0633	The trip selection at the VI/II low-level input	0 ~ 100 *2	1/1	0.00	Enabled		

(*1): Set a time longer than the acceleration/deceleration time.

(Reference section): Refer to the inverter's individual manual.

(*2): Ver312 only

[29] Special analog input

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F650	0650	Acceleration/deceleration base frequency adjustment	0: Invalid , 1: VI/II , 2: RR	-	0	Enabled		6.26
F651	0651	Upper-limit frequency adjustment	0: Invalid , 1: VI/II , 2: RR	-	0	Enabled		6.26
F652	0652	Acceleration time adjustment	0: Invalid , 1: VI/II , 2: RR	-	0	Enabled		6.26
F653	0653	Deceleration time adjustment	0: Invalid , 1: VI/II , 2: RR	-	0	Enabled		6.26
F654	0654	Manual torque boost adjustment	0: Invalid , 1: VI/II , 2: RR	-	0	Enabled		6.26

[30] Over-ride

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F660	0660	Over-ride addition input selection	0: Disabled 1: VI (voltage input)/II (current input) 2: RR (volume/voltage input) 3: RX (voltage input) 4: RX2 (voltage input) (optional) 5: Operating panel input 6: Binary/BCD input 7: Common serial communication option(FA01) 8: Serial communication RS485(FA05) 9: Communication add-on cassette option(FA07) 10: Up-down frequency 11: Pulse input #1 (optional)	-	0	Enabled		6.27
F661	0661	Over-ride multiplication input selection	0: Disabled, 1: VI/II, 2: RR, 3: RX, 4: RX2, 5: F 7 2 9	-	0	Enabled		6.27

[31] Meter output (1/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F670	0670	AM terminal meter selection	0 ~ 32	-	2(output current)	Enabled		5.4
F671	0671	AM terminal meter adjustment	-	-	-	Enabled		5.4
F672	0672	Optional analog terminal #1 meter selection	0 ~ 32	-	4	Enabled		
F673	0673	Optional analog terminal #1 meter adjustment	-	-	-	Enabled		
F674	0674	Optional analog terminal #2 meter selection	0 ~ 32	-	5	Enabled		
F675	0675	Optional analog terminal #2 meter adjustment	-	-	-	Enabled		
F676	0676	FP terminal meter selection	0 ~ 32	-	0	Enabled		6.28.3
F677	0677	FP terminal meter adjustment	1.00 ~ 43.20	0.01/0.001	3.84	Enabled		6.28.3
F678	0678	Optional analog terminal #1 meter offset	-10.0 ~ 60.0	0.1/0.1	0.0	Enabled		
F679	0679	Optional analog terminal #2 meter offset	-10.0 ~ 60.0	0.1/0.1	0.0	Enabled		
F680	0680	Optional analog terminal sign selection	0 ~ 3	-	0	Enabled		

(Reference section): Refer to the inverter's individual manual.

[31] Meter output (2/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F690 ~ F697	0690 ~ 0697	AM/FM output parameter for adjustment	-	-	-	-		-

[32] Control panel parameters

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F700	0700	Prohibition of parameter setting	0: Allowed , 1: Prohibited	-	0	Enabled		6.29.1
F701	0701	Current/voltage display mode	0: [%], 1: [A] or [V]	-	0	Enabled		6.29.2
F702	0702	Frequency free unit magnification	0.00: OFF, 0.01 ~ 200.0	0.01/0.01	0.00	Enabled		6.29.3
F703	0703	Decimal place number of frequency	0: 1 [Hz], 1: 0.1 [Hz], 2: 0.01 [Hz]	-	1	Enabled		6.29.4
F704	0704	Decimal place number of acc/dec time	0: 1[s], 1: 0.1[s], 2: 0.01[s]	-	1	Enabled		6.29.4
F709	0709	Prohibition of user parameter initialization at type form initialization	0: Allowed 1: Prohibited	-	0	Enabled		-
F710	0710	Monitor display mode setting	0 ~ 29	-	0	Enabled		8.1
F711	0711	Status monitor #1 display mode	0 ~ 29	-	1	Enabled		8.1
F712	0712	Status monitor #2 display mode	0 ~ 29	-	2	Enabled		8.1
F713	0713	Status monitor #3 display mode	0 ~ 29	-	3	Enabled		8.1
F714	0714	Status monitor #4 display mode	0 ~ 29	-	4	Enabled		8.1
F720	0720	Selection of panel V/f1, 2, 3 or 4	1: V/f #1, 2: V/f #2, 3: V/f #3, 4: V/f #4	-	1	Enabled		6.29.6
F721	0721	Panel stop pattern	0: Deceleration stop , 1: Coast stop	-	0	Disabled		6.29.7
F722	0722	Panel reset function	0: Disabled, 1: Enabled	-	1	Disabled		6.29.8
F723	0723	Panel torque limit	1 ~ 4	-	1	Enabled		6.29.9
F724	0724	Panel PID control OFF	0: ON, 1: OFF	-	0	Enabled		6.29.10
F725	0725	Panel torque reference	0 ~ 250 [%]	1/0.01	0	Enabled		6.29.11
F726	0726	Panel synchronized torque bias	-250 ~ 250 [%]	1/0.01	0	Enabled		6.21.4
F727	0727	Panel tension torque bias	-250 ~ 250 [%]	1/0.01	0	Enabled		6.21.4
F728	0728	Panel load sharing gain	0 ~ 250 [%]	1/0.01	100	Enabled		6.21.4
F729	0729	Panel over-ride multiplication gain	-100 ~ 100 [%]	1/0.01	0	Enabled		6.29.13
F730	0730	Panel operation prohibition	0: All key operations prohibited +1: Panel frequency setting enabled +2: Parameter reading/writing enabled +4: Monitor display operation enabled +8: Panel drive operation enabled (+16: no function) +32: Emergency stop operation enabled 63: Default mode (all key operation enabled)	-	63	Disabled		6.29.14

[33] Communication function(1/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
<i>F800</i>	0800	Communication rate (common serial)	0: 1200, 1: 2400, 2:4800, 3: 9600	-	3	Enabled		6.30
<i>F801</i>	0801	Parity (common serial/RS485)	0: No parity, 1: Even parity, 2: Odd parity	-	1	Enabled		6.30
<i>F802</i>	0802	Inverter number(common)(*1)	0 ~ 255	1/1	0	Enabled		6.30
<i>F803</i>	0803	Communication time-out (common serial/RS485)	0: OFF, 1 ~ 100 [s]	1/1	0	Enabled		6.30
<i>F804</i>	0804	Communication time-out action (common serial /RS485)	0 ~ 8	-	8	Enabled		6.30
<i>F805</i>	0805	Communication waiting time (common serial)	0.00: Normal, 0.01 ~ 2.00 [s]	0.01/0.01	0.00	Enabled		6.30
<i>F806</i>	0806	Inter-drive communication (common serial)	0: Normal, 1: Frequency reference, 2: Output frequency, 3: Torque reference, 4: Output torque	-	0	Enabled		6.30
<i>F810</i>	0810	Frequency point selection	0: Invalid, 1: Common serial, 2: RS485, 3: Communication add-on cassette option	-	0	Enabled		6.30
<i>F811</i>	0811	Point #1 setting	0 ~ 100 [%]	1/0.01	0	Enabled		6.30
<i>F812</i>	0812	Point #1 frequency	0.0 ~ <i>F_H</i> [Hz]	0.01/0.01	0.0	Enabled		6.30
<i>F813</i>	0813	Point #2 setting	0 ~ 100 [%]	1/0.01	100	Enabled		6.30
<i>F814</i>	0814	Point #2 frequency	0.0 ~ <i>F_H</i> [Hz]	0.01/0.01	80.0	Enabled		6.30
<i>F820</i>	0820	Communication rate (RS485)	0: 1200, 1: 2400, 2: 4800, 3: 9600, 4: 19200, 5: 38400	-	3	Enabled		6.30
<i>F821</i>	0821	RS485 wiring system	0: 2-line system, 1: 4-line system	-	1	Enabled		6.30
<i>F825</i>	0825	RS485 communication waiting time	0.00: Normal, 0.01 ~ 2.00 [s]	0.01/0.01	0.00	Enabled		6.30
<i>F826</i>	0826	Inter-drive communication (RS-485)	0: Normal, 1: Frequency reference, 2: Output frequency, 3: Torque reference, 4: Output torque	-	0	Enabled		6.30
<i>F830</i>	0830	Data type	0, 1	1/1	0	Enabled		
<i>F831</i>	0831	Input reference setting #1	0 ~ 16	1/1	0	Enabled		
<i>F832</i>	0832	Input reference setting #2	0 ~ 16	1/1	0	Enabled		
<i>F833</i>	0833	Input reference setting #3	0 ~ 16	1/1	0	Enabled		
<i>F834</i>	0834	Input reference setting #4	0 ~ 16	1/1	0	Enabled		
<i>F835</i>	0835	Input reference setting #5	0 ~ 16	1/1	0	Enabled		
<i>F836</i>	0836	Input reference setting #6	0 ~ 16	1/1	0	Enabled		
<i>F841</i>	0841	Monitor output setting #1	0 ~ 16	1/1	0	Enabled		
<i>F842</i>	0842	Monitor output setting #2	0 ~ 16	1/1	0	Enabled		
<i>F843</i>	0843	Monitor output setting #3	0 ~ 16	1/1	0	Enabled		
<i>F844</i>	0844	Monitor output setting #4	0 ~ 16	1/1	0	Enabled		
<i>F845</i>	0845	Monitor output setting #5	0 ~ 16	1/1	0	Enabled		
<i>F846</i>	0846	Monitor output setting #6	0 ~ 16	1/1	0	Enabled		
<i>F850</i>	0850	Mode at communication error	0 ~ 4	1/1	0	Enabled		
<i>F851</i>	0851	Communication error detection time	0 ~ 1000	1/1	200	Enabled		
<i>F860</i>	0860	Receiving address	0 ~ 1023	1/1	0	Enabled		
<i>F861</i>	0861	Transmitting address	0 ~ 1023	1/1	0	Enabled		

(*1): To be only monitoring available when using S20 option.

(*2): Parameters *F800*, *F801*, *F820*, *F821*, and *F826* can be reflected at resetting (power OFF ON).

(Reference section): Refer to the inverter's individual manual.

[33] Communication function(2/2)

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F862	0862	Inter-drive communication(speed reference) opposite station number	0 ~ 64	1/1	0	Enabled		
F863	0863	Inter-drive communication(speed reference) opposite station address	0 ~ 1023	1/1	0	Enabled		
F865	0865	Inter-drive communication(torque reference) opposite station number	0 ~ 64	1/1	0	Enabled		
F866	0866	Inter-drive communication(torque reference) opposite station address	0 ~ 1023	1/1	0	Enabled		
F868	0868	S20 fault detection station number	0 ~ 64	1/1	0	Enabled		
F869	0869	Station mode selection	0 ~ 4	1/1	0	Enabled		
F890 ~ F894	8090 ~ 0894	Parameters for options	Depend on options	1/1	0	Disabled		
F899	0899	Reset function	0, 1	-	0	Disabled		

[34] Reservation area

Title	Communication No	Function	Adjustment range	Min. unit (panel/communication)	Default setting	Write during running	User Setting	Reference section
F900	0900	Reservation area #1	0	-	0	-		-
F901	0901	Reservation area #2	0	-	0	-		-
F902	0902	Reservation area #3	0	-	0	-		-
F903	0903	Reservation area #4	0	-	0	-		-
F904	0904	Reservation area #5	0	-	0	-		-

□ : These titles are displayed but unusable. Only the standard default value is displayed.
 (reference section): Refer to the designated section of the inverter's individual manual.