



E380/220

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基本通用参数设置		
编码	名称	概要
P00.00	电机运行模式	确定电机运行模式
P00.01	电机控制模式	确定电机控制模式
P00.02	运行命令源	确定运行命令的给定方式
P00.03	频率指令源A	确定给定频率的给定方式及 给定频率的给定值
P00.04	频率指令源B	
P00.05	频率指令运算关系	
P00.06	频率指令源B范围基准	
P00.07	频率指令源B范围	
P00.08	最大输出频率	
P00.09	运行频率上限来源	
P00.10	运行频率上限数字设定	
P00.11	运行频率下限	
P00.12	数字设定频率	
P00.13	加速时间0	确定加减速时间
P00.14	减速时间0	
P00.15	加速时间1	
P00.16	减速时间1	
P00.17	加速时间2	
P00.18	减速时间2	
P00.19	加速时间3	
P00.20	减速时间3	
P00.21	加减速时间单位	
P00.22	加减速时间基准频率	
P00.23	参数初始化	功能码参数初始化
P00.24	电机1旋转方向选择	确定电机的运行方向
P00.25	载波频率设定	确定载波大小及发波方式
P00.26	载波频率调整选择	
P00.27	PWM发波方式	
P00.28	键盘及端子UP/DOWN频率控制	确定UP/DOWN功能
P00.29	键盘及端子UP/DOWN单次步长	
P00.30	端子UP/DOWN积分速率	
P00.31	参数锁定	确定参数是否被允许更改
P00.33	电机参数自主学习	确定电机参数自主学习方式
P00.34	电机选择	确定被控制电机的参数选择
P00.35	参数拷贝	确定参数拷贝的方向及内容
P01.00	启动运行方式	确定电机参数自主学习方式
P01.01	启动频率	确定启动方式及与启动方式 相关的参数设置
P01.02	启动频率保持时间	
P01.03	启动直流制动电流	
P01.04	启动直流制动保持时间	
P01.05	停机方式选择	
P01.06	停机直流制动开始频率	确定停机方式及与停机方式 相关的参数设置
P01.08	停机直流制动电流	
P01.09	停机直流制动保持时间	
矢量控制模式设置的相关参数		
编码	名称	概要
P03.01	速度环比例增益1	确定速度环参数
P03.02	速度环积分时间1	
P03.03	速度环参数切换频率点1	
P03.04	速度环比例增益2	
P03.05	速度环积分时间2	
P03.06	速度环参数切换频率点2	
P03.07	速度环滤波时间	
P03.08	弱磁转矩补偿增益	确定电制动增益及弱磁补偿
P03.09	电动转差增益	
P03.10	制动转差增益	

P03.11	速度控制转矩上限来源	速度控制模式下的转矩限定
P03.12	速度控制转矩上限设定值	
P03.13	电流环比例系数	电流环系数
P03.14	电流环积分系数	
P03.15	转矩控制转矩指令来源	确定矢量控制模式下转矩控制的参数
P03.16	转矩控制转矩指令数字设定值	
P03.17	转矩控制正向最大频率	
P03.18	转矩控制反向最大频率	
P03.19	转矩控制时频率限制来源	
P03.20	转矩指令上升时间	确定矢量控制模式下的转矩限定的参数
P03.21	转矩指令下降时间	
P03.22	转矩控制转矩指令限定	
P03.24	编码器线数	
P03.25	编码器方向选择	
P03.29	过速度和速度偏差过大选择	确定闭环矢量控制下编码器参数及保护功能
P03.30	过速度检测值	
P03.31	过速度检测时间	
P03.32	速度偏差检测偏差	
P03.33	速度偏差检测时间	
VF控制模式的相关参数		
编码	名称	概要
P04.00	VF曲线设定	确定VF控制曲线
P04.01	保留	
P04.02	多段V/F频率点1	
P04.03	多段V/F电压点1	
P04.04	多段V/F频率点2	
P04.05	多段V/F电压点2	
P04.06	多段V/F频率点3	
P04.07	多段V/F电压点3	
P04.08	多段V/F频率点4	
P04.09	多段V/F电压点4	
P04.10	自动转矩提升补偿系数	确定自动转矩提升补偿系数
P04.11	V/F手动转矩提升	确定转矩提升方式及提升值
P04.13	弱磁转矩补偿系数	确定弱磁转矩补偿系数
P04.15	转差补偿增益	确定转差增益
P04.17	振荡抑制增益	确定振荡抑制增益
P04.18	预励磁时间	确定磁通制动值
P04.19	磁通制动	
P04.20	V/F分离的电压指令源	确定VF分离输出功能参数
P04.21	V/F分离的电压数字设定	
P04.22	V/F分离时的电压指令上升时间	
P04.23	V/F分离时的电压指令下降时间	
P04.24	V/F分离时的电压下限	
P04.25	V/F分离时的电压上限	
P04.26	电流限定	确定电流限定值
P04.27	电流限定开关	确定电流限定开关
P04.28	VF转阻滤波系数	确定VF转阻滤波系数
模拟量给定频率相关参数		
编码	名称	概要
P00.03	频率指令源A	设置为2、3、4、5、（模拟量AI1、AI2、AI3和高速脉冲输入）
P05.00	DI1数字输入功能选择	确定端子输入功能的相关参数
P05.01	DI2数字输入功能选择	
P05.02	DI3数字输入功能选择	
P05.03	DI4数字输入功能选择	
P05.04	DI5数字输入功能选择	
P05.05	DI6数字输入功能选择	
P05.06	DI1数字输入功能选择(可选高速脉冲输入)	
P05.07	DI1~DI4数字输入逻辑选择	
P05.08	DI5~DI1数字输入逻辑选择	
P05.09	运行端子动作选择	
P05.10	数字输入滤波时间	确定AI1输入设置
P05.11	端子控制运行模式	
P05.13	AI1电压下限值	
P05.14	AI1下限对应设定	
P05.15	AI1电压上限值	
P05.16	AI1上限对应设定	
P05.17	AI1输入滤波时间	
P05.18	AI2输入类型选择	
P05.19	AI2电压下限值	确定AI2输入设置
P05.20	AI2电压下限对应设定	
P05.21	AI2电压上限值	
P05.22	AI2电压上限对应设定	
P05.23	AI2输入滤波时间	

P05.24	AI2电流下限值	确定AI2输入设置
P05.25	AI2电流下限对应设定	
P05.26	AI2电流上限值	
P05.27	AI2电流上限对应设定	确定AI3输入设置
P05.28	AI3电压下限值	
P05.29	AI3电压下限对应设定	
P05.30	AI3电压上限值	确定高速脉冲输入设置
P05.31	AI3电压上限对应设定	
P05.32	AI3输入滤波时间	
P05.33	高速脉冲输入最小频率	
P05.34	高速脉冲输入最小频率对应设定	
P05.35	高速脉冲输入最大频率	
P05.36	高速脉冲输入最大频率对应设定	
P05.37	高速脉冲输入滤波时间	
模拟量输出设置相关参数		
编码	名称	概要
P06.00	HDO1端子输出模式选择	确定各个端子的输出功能
P06.02	数字输出有效逻辑选择	
P06.03	DO1数字输出功能	
P06.04	继电器T1数字输出功能选	
P06.05	择HDO1数字输出模式下的功能	
P06.07	DO1数字输出开通延时	
P06.08	DO1数字输出断开延时	
P06.09	继电器T1输出开通延时	
P06.10	继电器T1输出断开延时	
P06.11	HDO1数字输出开通延时	
P06.12	HDO1数字输出断开延时	模拟量及高速脉冲输出功能选择
P06.14	AO1模拟量输出功能	
P06.15	AO2模拟量输出功能	
P06.16	HDO1脉冲输出模式下的功能	确定AO1输出大小的相关设置
P06.17	AO1输出电压下限	
P06.18	AO1输出电压下限对应设定值	
P06.19	AO1输出电压上限	确定AO2输出大小的相关设置
P06.20	AO1输出电压上限对应设定值	
P06.21	AO2输出电压下限	
P06.22	AO2输出电压下限对应设定值	确定HDO1输出大小的相关设置
P06.23	AO2输出电压上限	
P06.24	AO2输出电压上限对应设定值	
P06.25	HDO1最小输出设定频率	确定HDO1输出大小的相关设置
P06.26	HDO1最小输出设定值	
P06.27	HDO1最大输出设定频率	
P06.28	HDO1最大输出设定值	
数字输入信号功能编码		
编号	功能	功能使用
0	无功能	无效：无动作 有效：无动作
1	正转运行（FWD）	无效：无动作 有效：变频器正转运行
2	反转运行（REV）	无效：无动作 有效：变频器反转运行
3	三线式运行控制使能	无效：无动作 有效：三线式运行模式有效
4	正转点动（FJOG）	无效：无动作 有效：变频器正转点动运行
5	反转点动（RJOG）	无效：无动作 有效：变频器反转点动运行
6	自由停车	无效：无动作 有效：运行中的变频器自由停机
7	运行暂停	无效：变频器继续启动运行 有效：变频器零频运行
8	故障复位（RESET）	无效：无动作 有效：复位变频器产生的故障
9	外部故障输入	无效：无动作 有效：变频器产生外部输入故障
10	频率设定递增（UP）	无效：无动作 有效：频率给定为数字输入+UP/DOWN时设定频率会增加
11	频率设定递减（DOWN）	无效：无动作 有效：频率给定为数字输入+UP/DOWN时设定频率会减小
12	频率UP/DOWN设定清除	无效：无动作 有效：清除端子UP/DOWN或操作面板旋钮所调节的频率值
13	频率UP/DOWN设定暂时清除	无效：频率设定恢复到由P00.12与UP/DOWN或操作面板旋钮调节的频率值叠加 有效：暂时清除端子UP/DOWN或操作面板旋钮所调节的频率值

14	多段速指令1	通过DI端子选择16个频率给定值
15	多段速指令2	
16	多段速指令3	
17	多段速指令4	
18	加速时间选择1	通过DI端子选择4组加速减速时间
19	加速时间选择2	
20	PID控制暂停	无效：变频器输出频率随PID的调节而变化，频率源的PID调节正常 有效：变频器维持当前的输出频率，频率源的PID调节无效
21	PID作用方向取反	无效：PID作用方向与P08.03设定的方向相同 有效：PID作用方向与P08.03设定的方向相反
22	PID参数切换	无效：第一组PID参数起作用 有效：第二组PID参数起作用
23	立即直流制动	无效：变频器恢复正常运行状态 有效：变频器直接进入直流制动状态
24	停机直流制动	无效：减速停机时正常减速停机 有效：减速停机时频率减到直流制动频率时直接进入直流制动
25	外部停车功能	无效：无动作 有效：无论什么命令给定方式，变频器直接停机状态
26	紧急停车功能	无效：无动作 有效：无论什么命令给定方式，变频器直接紧急停机状态
27	PLC停机记忆清除	无效：无动作 有效：停机记忆的PLC运行阶段、运行时间、运行频率等信息将被清除
28	PLC运行暂停	无效：变频器恢复记忆的PLC状态继续运行 有效：变频器保持零频输出运行
29	计数器输入	记录端子输入的脉冲个数
30	计数器复位	无效：无动作 有效：对计数器计数值进行清零处理
31	长度计数输入	记录端子输入的长度计数信号
32	长度复位	无效：无动作 有效：对长度计数值进行清零处理
33	高速脉冲输入（仅HDI可配置）	接收高速脉冲输入信号
34	摆频暂停（停在当前频率）	无效：输出频率开始摆频运行 有效：变频器停止在当前的输出频率运行
35	摆频复位（回到中心频率）	无效：无动作 有效：变频器回到中心频率输出，摆频功能有效
36	加速禁止	无效：对加速过程无影响 有效：加速时停止加速过程
37	运行禁止	无效：变频器正常启动运行 有效：变频器不能启动运行或立即停止运行
38	速度控制/转矩控制切换	无效：速度控制模式 有效：转矩控制模式
39	转矩控制禁止	无效：对当前控制模式无影响 有效：当前控制模式不能为转矩控制模式
40	频率指令源切换端子功能	无效：对当前频率给定源无影响 有效：当前频率给定源切换为其它给定源
41	命令切换至键盘	无效：对当前命令给定方式无影响 有效：由当前命令给定方式切换为键盘给定
42	命令切换至端子	无效：对当前命令给定方式无影响 有效：由当前命令给定方式切换为端子给定
43	命令切换至通讯	无效：对当前命令给定方式无影响 有效：由当前命令给定方式切换为通讯给定
44	电机选择	无效：电机1有效 有效：电机2有效
45	运行时间清零（本次）	无效：无动作 有效：清除电机运行时间
46	累计编码器反馈脉冲数清零	无效：无动作 有效：累计编码器反馈脉冲数清零
数字输出信号功能编码		
设定值	功能	功能说明
0	无输出	输出端子无任何功能
1	变频器运行准备就绪	当变频器主回路和控制回路电源已经稳定，且变频器未检测到任何故障信息，变频器处于可运行状态时，输出ON信号
2	变频器运行中	表示变频器正处于运行状态，有输出频率（可以为零），此时输出ON信号

3	变频器正转运行中	表示变频器正处于正转运行状态，有输出频率，此时输出ON信号
4	变频器反转运行中	表示变频器正处于反转运行状态，有输出频率，此时输出ON信号
5	零速运行中1（停机时不输出）	变频器运行且输出频率为0时，输出ON信号，在变频器处于停机状态时，该信号为OFF
6	零速运行中2（停机时也输出）	变频器输出频率为0时，输出ON信号。停机状态下该信号也为ON
7	故障输出1	当变频器发生故障停机且故障未复位时输出ON信号（不包括欠压故障及变频器处于欠压状态）
8	过载预警	在电机或变频器过载保护动作之前，根据过载预警报警的阈值进行判断，在超过预警报警阈值且持续一定时间后输出ON信号。过载预警报警参数设定参见功能码P13.01~P13.03
9	轻载预警	判定电机或变频器是否处于轻载或卸载状态。在低于预警报警阈值且持续一定时间后输出ON信号。轻载预警报警参数设定参见功能码P13.05~P13.07
10	欠压状态输出	变频器处于欠压状态时，输出ON信号
11	保留	
12	变频器过热报警	当变频器温度过热保护时，输出ON信号
13	PLC阶段完成	当简易PLC运行完成一个阶段后，输出一个宽度为250ms的脉冲信号
14	PLC循环完成	当简易PLC运行完成一个循环后，输出一个宽度为250ms的脉冲信号
15	频率限定中	当设定频率超出上限频率或者下限频率，且变频器输出频率亦达到上限频率或者下限频率时，输出ON信号
16	转矩限定中（速度控制时）	在矢量控制的速度控制方式下，如输出转矩达到转矩限定值，则输出ON信号
17	速度限定中（转矩控制时）	在矢量控制的转矩控制方式下，电机转速如达到速度限定值则输出ON信号
18	上限频率到达	当运行频率到达上限频率时，输出ON信号
19	下限频率到达	当运行频率到达下限频率时，输出ON信号。停机状态下该信号为OFF
20	设定频率到达	在到达设定频率检出幅值内输出ON信号，参考功能码P09.04的说明
21	频率水平检测FDT1输出	请参考功能码P09.00、F09.01的说明
22	频率水平检测FDT2输出	请参考功能码P09.02、P09.03的说明
23	任意频率达到	请参考功能码P09.21、P09.22的说明
24	PID反馈断线	请参考功能码P08.16、P08.17的说明
25	设定计数值到达	当计数值达到P09.13所设定的值时，输出ON信号。计数功能参考P09组功能说明
26	指定计数值到达	当计数值达到P09.14所设定的值时，输出ON信号；计数功能参考P09组功能说明
27	长度到达	当检测的实际长度超过P09.10所设定的长度时，输出ON信号
编号	功能	功能使用
28	PID反馈超限	请参考功能码P08.18、P08.19的说明
29	本次运行时间到达	变频器本次运行时间超过P09.18所设定的时间时，输出ON信号
30	本次上电时间到达	变频器本次上电时间超过P09.19所设定的时间时，输出ON信号
31	累计运行时间到达	变频器累计运行时间超过P09.16所设定的时间时，输出ON信号
32	累计上电时间到达	变频器累计上电时间超过P09.17所设定的时间时，输出ON信号
33	通讯设定	请参考通讯协议，通信设定DO1、HDO1、T1端子输出
34	故障输出2	当变频器发生故障停机且故障未复位时输出ON信号（包括欠压故障及变频器处于欠压状态均输出ON信号）
模拟输出信号功能编码		
编码	功能	说明
0	运行频率	0~最大输出频率
1	设定频率	0~最大输出频率
2	输出电流	0~2倍电机额定电流
3	输出电压	0~1.2倍变频器额定电压
4	输出转矩	0~2倍电机额定转矩
5	输出功率	0~2倍电机额定功率
6	脉冲输入	0.01kHz~100.00kHz
7	ABS（AI1）	0.00V~10.00V
8	ABS（AI2）	0.00V~10.00V（或者0.00mA~20.00mA）

9	ABS(AI3)	~10.00V~10.00V
10	长度	0~最大设定长度
11	计数值	0~最大计数值
12	电机转速	0~最大输出频率对应的转速
13	输出电流2（绝对值）	0.0A~1000.0A
14	输出电压2（绝对值）	0.0V~1000.0V
15	通讯设定百分比	0~100.0% 详见通讯协议说明
故障代码说明		
编码	功能	说明
Er001	对地短路	1：电机绝缘异常 2：输出接线对地短路 3：逆变模块异常 4：输出对地漏电流太大
Er002	加速运行过电流	1：加速时间太短 2：电机参数不准确 3：电网电压偏低 4：变频器功率偏小 5：V/f曲线不合适 7：启动时电机还在旋转
Er003	恒速运行过电流	1：负载发生突变或异常 2：电网电压偏低 3：变频器功率偏小
Er004	减速运行过电流	1：负载的惯性太大 2：减速时间太短 3：电网输入电压偏低
Er005	加速运行过电压	1：输入电压异常 2：瞬间停电后，对旋转中电机实施再启动
Er006	恒速运行过电压	1：输入电压异常 2：输入电压发生异常变动 3：负载惯量大
Er007	减速运行过电压	1：减速时间太短 2：负载惯量大 3：输入电压异常
Er008	变频器过载	1：加速时间太短 2：对旋转的电机实施再启动 3：电网电压过低 4：负载过大 5：V/f控制时转矩提升值太大 6：电机参数设置不当
Er009	电机过载	1：电网电压过低 2：电机参数设置不当 3：电机堵转或负载突变过大
Er010	电流检测电路故障	1：控制板连接器接触不良 2：辅助电源异常 3：霍尔器件损坏 4：放大电路异常
Er011	输出侧缺相	1：U、V、W缺相输出 2：负载三相严重不对称
Er012	硬件过流	过流因素 输入电源异常 电机输出异常 逆变模块异常
Er013	参数辨识故障	1：电机与变频器容量不匹配 2：电机额定参数设置不当 3：自学习出的参数与标准参数偏差过大 4：自学习超时
Er014	接触器异常	1：电网电压过低 2：上电缓冲电阻损坏 3：接触器损坏 4：控制回路损坏
Er015	输入侧缺相	输入R、S、T有缺相
Er016	过速度故障	1：过速度值设置设定值太小 2：负载波动太大 3：矢量控制的控制参数设置不合理
Er017	速度偏差过大故障	1：电机速度与设定速度偏差设定值太小 2：负载波动太大 3：矢量控制的控制参数设置不合理
Er018	同步机参数辨识故障	1：电机额定参数设置不当 2：自学习出的参数与标准参数偏差过大 3：自学习超时 4：电机线可能缺相
Er021	软件版本不兼容	1：键盘中存储的参数个数和变频器中显示的参数个数不相同 2：软件版本号不相同
Er022	母线欠压	1：电网电压偏低 2：瞬时停电
Er023	外部故障	D 外部故障输入端子动作

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编码	功能	说明
Er024	通讯故障	1: 上位机与变频器之间波特率设置不相同 2: 变频器本身通讯参数错误 3: 通讯端口连接线断开 4: 上位机是否工作
Er025	模块过热	1: 变频器瞬间过流 2: 输出三相有相间或接地短路 3: 风道堵塞或风扇损坏 4: 环境温度过高 5: 控制板连线或插件松动 6: 辅助电源损坏, 驱动电压欠压 7: 功率模块桥臂直通 8: 控制板异常
Er026	EEPROM读写故障	1: 控制参数的读写发生错误 2: EEPROM损坏
Er027	运行时间到达	设定的运行时间到达
Er028	上电时间到达	设定的上电时间到达
Er029	运行时PID反馈超限故障	反馈量超出设定上限值
Er030	PID反馈断线故障	1: PID反馈断线 2: PID反馈源消失
Er031	过载预警报警	1: 负载加重 2: 过载预警动作阀值与时间不合适 3: 电机参数设置不当
Er032	轻载预警报警	1: 系统掉载 2: 轻载预警动作阀值与时间不合适 3: 电机参数设置不当
Er099	软件故障	软件故障
Er100	硬件故障	硬件故障

参数一览表

符号说明:

- ---表示该参数的设定值在运行过程中可以更改
- ---表示该参数的设定值在运行过程中不能更改
- ---表示该参数的数值为状态监视参数或保留参数, 用户不能进行更改

P00基本功能参数组			
参数编码	名称	属性	通讯地址
P00.00	电机运行模式	⊗	0x0000
P00.01	电机控制模式	⊗	0x0001
P00.02	运行命令源	⊗	0x0002
P00.03	频率指令源A	⊗	0x0003
P00.04	频率指令源B	⊗	0x0004
P00.05	频率指令运算关系	⊗	0x0005
P00.06	频率指令源B范围基准	○	0x0006
P00.07	频率指令源B范围	○	0x0007
P00.08	最大输出频率	⊗	0x0008
P00.09	运行频率上限来源	⊗	0x0009
P00.10	运行频率上限数字设定	○	0x000A
P00.11	运行频率下限	○	0x000B
P00.12	数字设定频率	○	0x000C
P00.13	加速时间0	○	0x000D
P00.14	减速时间0	○	0x000E
P00.15	加速时间1	○	0x000F
P00.16	减速时间1	○	0x0010
P00.17	加速时间2	○	0x0011
P00.18	减速时间2	○	0x0012
P00.19	加速时间3	○	0x0013
P00.20	减速时间3	○	0x0014
P00.21	加速时间单位	○	0x0015
P00.22	加速时间基准频率	⊗	0x0016
P00.23	参数初始化	⊗	0x0017
P00.24	电机1旋转方向选择	○	0x0018
P00.25	载波频率设定	○	0x0019
P00.26	载波频率调整选择	⊗	0x001A
P00.27	PWM波发方式	⊗	0x001B
P00.28	键盘及端子UP/DOWN频率控制	⊗	0x001C
P00.29	键盘及端子UP/DOWN单次步长	○	0x001D
P00.30	端子UP/DOWN积分速率	○	0x001E
P00.31	参数锁定	○	0x001F
P00.33	电机参数自学习	○	0x0021
P00.34	电机选择	⊗	0x0022
P00.35	参数拷贝	⊗	0x0023
P01启停控制参数组			
参数编码	名称	属性	通讯地址
P01.00	启动运行方式	⊗	0x0100
P01.01	启动频率	○	0x0101
P01.02	启动频率保持时间	○	0x0102
P01.03	启动直流制动电流	○	0x0103
P01.04	启动直流制动保持时间	○	0x0104

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参数编码	名称	属性	通讯地址
P04.00	Vf曲线设定	⊗	0x0400
P04.02	多段V/F频率点1	⊗	0x0402
P04.03	多段V/F电压点1	⊗	0x0403
P04.04	多段V/F频率点2	⊗	0x0404
P04.05	多段V/F电压点2	⊗	0x0405
P04.06	多段V/F频率点3	⊗	0x0406
P04.07	多段V/F电压点3	⊗	0x0407
P04.08	多段V/F频率点4	⊗	0x0408
P04.09	多段V/F电压点4	⊗	0x0409
P04.10	自动转矩提升补偿系数	○	0x040A
P04.11	V/F手动转矩提升	○	0x040B
P04.13	弱磁转矩补偿系数	○	0x040D
P04.15	转差补偿增益	○	0x040F
P04.17	振荡抑制增益	○	0x0411
P04.18	预励磁时间	⊗	0x0412
P04.19	磁通制动	○	0x0413
P04.20	V/F分离的电压指令源	⊗	0x0414
P04.21	V/F分离的电压数字设定	○	0x0415
P04.22	V/F分离时的电压指令上升时间	○	0x0416
P04.23	V/F分离时的电压指令下降时间	○	0x0417
P04.24	V/F分离时的电压下限	○	0x0418
P04.25	V/F分离时的电压上限	○	0x0419
P04.26	电流限定	○	0x041A
P04.27	电流限定开关	○	0x041B
P04.28	V转矩滤波系数	○	0x041C
P05输入端子功能参数组			
参数编码	名称	属性	通讯地址
P05.00	DI1数字输入功能选择	⊗	0x0500
P05.01	DI2数字输入功能选择	⊗	0x0501
P05.02	DI3数字输入功能选择	⊗	0x0502
P05.03	DI4数字输入功能选择	⊗	0x0503
P05.04	DI5数字输入功能选择	⊗	0x0504
P05.05	DI6数字输入功能选择	⊗	0x0505
P05.06	HD11数字输入功能选择 (可选高速脉冲输入)	⊗	0x0506
P05.07	DI1-DI4数字输入逻辑选择	⊗	0x0507
P05.08	DI5-HD11数字输入逻辑选择	⊗	0x0508
P05.09	运行端子动作选择	⊗	0x0509
P05.10	数字输入滤波时间	○	0x050A
P05.11	端子控制运行模式	⊗	0x050B
P05.13	AI1电压下限值	○	0x050D
P05.14	AI1电压上限对应设定	○	0x050E
P05.15	AI1电压上限值	○	0x050F
P05.16	AI1上限对应设定	○	0x0510
P05.17	AI1输入滤波时间	○	0x0511
P05.18	AI2输入类型选择	○	0x0512
P05.19	AI2电压下限值	○	0x0513
P05.20	AI2电压下限对应设定	○	0x0514
P05.21	AI2电压上限值	○	0x0515
P05.22	AI2电压上限对应设定	○	0x0516
P05.23	AI2输入滤波时间	○	0x0517
P05.24	AI2电流下限值	○	0x0518
P05.25	AI2电流下限对应设定	○	0x0519
P05.26	AI2电流上限值	○	0x051A
P05.27	AI2电流上限对应设定	○	0x051B
P05.28	AI3电压下限值	○	0x051C
P05.29	AI3电压下限对应设定	○	0x051D
P05.30	AI3电压上限值	○	0x051E
P05.31	AI3电压上限对应设定	○	0x051F
P05.32	AI3输入滤波时间	○	0x0520
P05.33	高速脉冲输入最小频率	○	0x0521
P05.34	高速脉冲输入最小频率对应设定	○	0x0522
P05.35	高速脉冲输入最大频率	○	0x0523
P05.36	高速脉冲输入最大频率对应设定	○	0x0524
P05.37	高速脉冲输入滤波时间	○	0x0525
P06输出端子功能参数组			
参数编码	名称	属性	通讯地址
P06.00	HD01端子输出模式选择	○	0x0600
P06.02	数字输出有效逻辑选择	○	0x0602
P06.03	DO1数字输出功能	○	0x0603
P06.04	继电器T1数字输出功能选择	○	0x0605
P06.05	HD01数字输出模式下的功能	○	0x0604
P06.07	DO1数字输出开通延时	○	0x0607
P06.08	DO1数字输出断开延时	○	0x0608

P06.09	继电器T1输出开通延时	○	0x0609
P06.10	继电器T1输出断开延时	○	0x060A
P06.11	HD01数字输出开通延时	○	0x060B
P06.12	HD01数字输出断开延时	○	0x060C
P06.14	A01模拟量输出功能	○	0x060E
P06.15	A02模拟量输出功能	○	0x060F
P06.16	HD01脉冲输出模式下的功能	○	0x0610
P06.17	A01输出电压下限	○	0x0611
P06.18	A01输出电压下限对应设定值	○	0x0612
P06.19	A01输出电压上限	○	0x0613
P06.20	A01输出电压上限对应设定值	○	0x0614
P06.21	A02输出电压下限	○	0x0615
P06.22	A02输出电压下限对应设定值	○	0x0616
P06.23	A02输出电压上限	○	0x0617
P06.24	A02输出电压上限对应设定值	○	0x0618
P06.25	HD01最小输出设定频率	○	0x0619
P06.26	HD01最小输出设定值	○	0x061A
P06.27	HD01最大输出设定频率	○	0x061B
P06.28	HD01最大输出设定值	○	0x061C
P08过程PID控制参数组			
参数编码	名称	属性	通讯地址
P08.00	PID指令源	○	0x0800
P08.01	PID指令设定值	○	0x0801
P08.02	PID反馈源	○	0x0802
P08.03	PID作用方向	○	0x0803
P08.04	PID反馈量程	○	0x0804
P08.05	比例增益1	○	0x0805
P08.06	积分时间1	○	0x0806
P08.07	微分时间1	○	0x0807
P08.08	比例增益2	○	0x0808
P08.09	积分时间2	○	0x0809
P08.10	微分时间2	○	0x080A
P08.11	PID参数切换选择	○	0x080B
P08.12	PID参数偏差切换条件	○	0x080C
P08.13	PID偏差极限	○	0x080D
P08.14	PID预置输出值	○	0x080E
P08.15	PID预置输出值保持时间	○	0x080F
P08.16	反馈断线检测值	○	0x0810
P08.17	反馈断线检测时间	○	0x0811
P08.18	反馈超限检测值	○	0x0812
P08.19	反馈超限检测时间	○	0x0813
P08.20	PID输出方式	○	0x0814
P08.21	PID输出负向最大值	○	0x0815
P09专用功能参数组			
参数编码	名称	属性	通讯地址
P09.00	频率检值1 (FDT1)	○	0x0900
P09.01	频率检测1滞后值	○	0x0901
P09.02	频率检测2 (FDT2)	○	0x0902
P09.03	频率检测2滞后值	○	0x0903
P09.04	设定频率到达检出幅度	○	0x0904
P09.05	摆频幅度基准	○	0x0905
P09.06	摆频幅度	○	0x0906
P09.07	突跳频率幅度	○	0x0907
P09.08	摆频上升时间	○	0x0908
P09.09	摆频下降时间	○	0x0909
P09.10	设定长度	○	0x090A
P09.11	每长度单位对应脉冲数 (单位0.1)	○	0x090B
P09.12	代理商密码	⊗	0x090C
P09.13	设定计数值	○	0x090D
P09.14	指定计数值	○	0x090E
P09.15	下垂控制值	○	0x090F
P09.16	设定累计运行到达时间	○	0x0910
P09.17	设定累计上电到达时间	○	0x0911
P09.18	设定本次运行到达时间	○	0x0912
P09.19	设定本次上电到达时间	○	0x0913
P09.20	累计上电、运行时间到达后动作	○	0x0914
P09.21	任意频率到达	○	0x0915
P09.22	任意频率到达检出值	○	0x0916
P09.23	设备出厂年份	○	0x0917
P09.24	设备出厂月份	○	0x0918
P10键盘与显示参数组			
参数编码	名称	属性	通讯地址
P10.00	用户密码	○	
P10.01	STOP/RESET键停机功能	○	0x0A01

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P10.02	FUN键功能设定选择	⊗	0x0A02
P10.03	LED运行显示	○	0x0A03
P10.04	LED停机显示	○	0x0A04
P10.05	负载端速度显示系数	○	0x0A05
P11多段速指令参数组			
参数编码	名称	属性	通讯地址
P11.00	多段指令第0段指令源	⊗	0x0B00
P11.01	多段指令0	○	0x0B01
P11.02	多段指令1	○	0x0B02
P11.03	多段指令2	○	0x0B03
P11.04	多段指令3	○	0x0B04
P11.05	多段指令4	○	0x0B05
P11.06	多段指令5	○	0x0B06
P11.07	多段指令6	○	0x0B07
P11.08	多段指令7	○	0x0B08
P11.09	多段指令8	○	0x0B09
P11.10	多段指令9	○	0x0B0A
P11.11	多段指令10	○	0x0B0B
P11.12	多段指令11	○	0x0B0C
P11.13	多段指令12	○	0x0B0D
P11.14	多段指令13	○	0x0B0E
P11.15	多段指令14	○	0x0B0F
P11.16	多段指令15	○	0x0B10
P12简易PLC功能参数组			
参数编码	名称	属性	通讯地址
P12.00	PLC运行方式	○	0x0C00
P12.01	简易PLC掉电记忆选择	○	0x0C01
P12.02	PLC运行时间单位	○	0x0C02
P12.04	PLC第0段运行时间	○	0x0C04
P12.05	PLC第0段加速时间选择	○	0x0C05
P12.06	PLC第1段运行时间	○	0x0C06
P12.07	PLC第1段加速时间选择	○	0x0C07
P12.08	PLC第2段运行时间	○	0x0C08
P12.09	PLC第2段加速时间选择	○	0x0C09
P12.10	PLC第3段运行时间	○	0x0C0A
P12.11	PLC第3段加速时间选择	○	0x0C0B
P12.12	PLC第4段运行时间	○	0x0C0C
P12.13	PLC第4段加速时间选择	○	0x0C0D
P12.14	PLC第5段运行时间	○	0x0C0E
P12.15	PLC第5段加速时间选择	○	0x0C0F
P12.16	PLC第6段运行时间	○	0x0C10
P12.17	PLC第6段加速时间选择	○	0x0C11
P12.18	PLC第7段运行时间	○	0x0C12
P12.19	PLC第7段加速时间选择	○	0x0C13
P12.20	PLC第8段运行时间	○	0x0C14
P12.21	PLC第8段加速时间选择	○	0x0C15
P12.22	PLC第9段运行时间	○	0x0C16
P12.23	PLC第9段加速时间选择	○	0x0C17
P12.24	PLC第10段运行时间	○	0x0C18
P12.25	PLC第10段加速时间选择	○	0x0C19
P12.26	PLC第11段运行时间	○	0x0C1A
P12.27	PLC第11段加速时间选择	○	0x0C1B
P12.28	PLC第12段运行时间	○	0x0C1C
P12.29	PLC第12段加速时间选择	○	0x0C1D
P12.30	PLC第13段运行时间	○	0x0C1E
P12.31	PLC第13段加速时间选择	○	0x0C1F
P12.32	PLC第14段运行时间	○	0x0C20
P12.33	PLC第14段加速时间选择	○	0x0C21
P12.34	PLC第15段运行时间	○	0x0C22
P12.35	PLC第15段加速时间选择	○	0x0C23
P13故障与保护功能参数组			
参数编码	名称	属性	通讯地址
P13.01	过载预警选择	○	0x0D01
P13.02	过载预警检出水平	○	0x0D02
P13.03	过载预警检出时间	○	0x0D03
P13.04	缺相保护选择	○	0x0D04
P13.05	轻载预警选择	○	0x0D05
P13.06	轻载预警检出水平	○	0x0D06
P13.07	轻载预警检出时间	○	0x0D07
P13.09	上电接地短路保护检测	○	0x0D09
P13.17	风扇启动模式	○	0x0D11
P13.19	欠压点设置	○	0x0D13
P13.20	故障自动复位次数	○	0x0D14
P13.21	故障自动复位期间故障DO动作选择	○	0x0D15

P13.22	故障自动复位间隔时间	○	0x0D16
P13.23	电压调节选择	○	0x0D17
P13.24	过压失速电压保护值	○	0x0D18
P13.25	能耗制动动作选择	○	0x0D19
P13.26	能耗制动电压保护值	○	0x0D1A
P13.27	过压失速增益补偿	⊗	0x0D1B
P13.28	同步机过压失速增益	○	0x0D1C
P13.30	故障记录选择	○	0x0D1E
P13.31	故障代码	●	



Parameter List for E380/220 Series Inverter

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Basic parameters setting			
Function code	Name	Description	
P00.01	Motor operation mode	Select the operation mode for the motor.	
P00.02	Command source selection	Select the command source for the inverter	
P00.03	Frequency source A	Select the setting mode and setting value for the set frequency.	
P00.04	Frequency source B		
P00.05	Frequency command operation relationship		
P00.06	Range base of frequency source B		
P00.07	Range of frequency source B		
P00.08	Maximum output frequency		
P00.09	Frequency upper limit source		
P00.10	Frequency upper limit digital setting		
P00.11	Frequency lower limit		
P00.12	Setting frequency		
P00.13	Acceleration time 0		Select the acceleration/ deceleration time.
P00.14	Deceleration time 0		
P00.15	Acceleration time1		
P00.16	Deceleration time1		
P00.17	Acceleration time2	Confirm the acceleration and deceleration time	
P00.18	Deceleration time2		
P00.19	Acceleration time3		
P00.20	Deceleration time3		
P00.21	Acceleration/deceleration time unit		
P00.22	Acceleration/deceleration time Base frequency		
P00.23	Parameter initialization	Parameters will be initialized.	
P00.24	Rotation direction selection of motor 1	Select the rotation direction for the motor.	
P00.25	Carrier frequency setting	Select the carrier frequency and PWM method	
P00.26	Carrier frequency adjustment		
P00.27	PWM method		
P00.28	Operation panel and terminal UP/DOWN Frequency control	Confirm the UP/DOWN function	
P00.29	Length of operation panel and terminal UP/DOWN per step		
P00.30	Terminal UP/DOWN integral speed		
P00.31	Parameter lock	Check whether the parameter modification is allowed	
P00.33	Motor auto tuning	Select the auto tuning mode for the motor.	
P00.34	Motor selection	Confirm the parameter selection of the controlled motor	
P00.35	Parameter copy	Check the direction and content of the parameter copy	
P01.00	Start mode	Select the start mode and the related parameters.	
P01.01	StartUpFrequency		
P01.02	StartUpFrequency holding time		
P01.03	StartUpPDC braking current		
P01.04	StartUpPDC braking holding time		
P01.05	StoPmode	Select the stoPmode and the related parameters.	
P01.06	Initial frequency of stoPDC braking		
P01.08	stoPDC braking current		
P01.09	StoPDC braking holding time		
Parameter for vector control mode			
Function code	Name	Description	
P03.01	Speed loopProportional gain 1	Select the parameters for speed loop.	
P03.02	Speed loopIntegral time 1		
P03.03	Switchover frequency 1		
P03.04	Speed loopProportional gain 2		
P03.05	Speed loopIntegral time 2		
P03.06	Switchover frequency 2		
P03.07	Speed loopFilter time	Select the braking gain and fielding weakening compensation.	
P03.08	Fielding weakening torque compensation gain		
P03.09	Motor slipGain		
P03.10	Braking slipGain		

P03.11	Torque upper limit source in speed control mode	Select the torque limit in speed control mode.
P03.12	Digital setting of torque upper limit in speed control mode	
P03.13	Current loopProportional coefficient	Parameters for current loop.
P03.14	Current loopIntegral coefficient	
P03.15	Torque control torque command source	
P03.16	Torque control torque command set	Confirm the parameters of torque control in vector control mode
P03.17	Torque control forward maximum frequency	
P03.18	Torque control reverse minimum frequency	
P03.19	Torque control frequency limit command source	
P03.20	Torque command acceleration time	
P03.21	Torque command deceleration time	
P03.22	Torque control torque command limit	
P03.24	Encoder pulses per revolution	Confirm encoder parameters and protection functions in closed loop vector control mode
P03.25	Encoder orientation selection	
P03.29	Overspeed and excessive velocity deviation selection	
P03.30	Overspeed detection value	
P03.31	Overspeed detection time	
P03.32	Speed deviation detection deviation	
P03.33	Speed deviation detection time	
Parameters for V/F control mode		
Function code	Name	Description
P04.00	V/F curve setting	Select the V/F control curve.
P04.02	Multi-point V/F frequency 1	
P04.03	Multi-point V/F voltage 1	
P04.04	Multi-point V/F frequency 2	
P04.05	Multi-point V/F voltage 2	
P04.06	Multi-point V/F frequency 3	
P04.07	Multi-point V/F voltage 3	
P04.08	Multi-point V/F frequency 4	
P04.09	Multi-point V/F voltage4	
P04.10	Automatic torque boost compensation coefficient	Select automatic torque boost compensation coefficient
P04.11	V/F manual torque boost	Select the torque boost method and value.
P04.13	Field weakening torque compensation coefficient	Select field weakening torque compensation coefficient
P04.15	SlipCompensation gain	Select the slipGain.
P04.17	Oscillation suppression gain	Select the oscillation suppression gain.
P04.18	Pre excitation time	Select the flux braking value.
P04.19	Flux braking	
P04.20	Voltage source for V/F separation	
P04.21	Voltage digital setting for V/F separation	Confirm the V/F separation output function parameter
P04.22	Voltage rise time of V/F separation	
P04.23	Voltage decline time of V/F separation	
P04.24	Voltage lower limit of V/F separation	
P04.25	Voltage upper limit of V/F separation	
P04.26	Current limit	Select the current limit value.
P04.27	Current limit switch	Select current limit switch
P04.28	V/F torque filter coefficient	Select V/F torque filter coefficient
Parameters for analog set frequency		
Function code	Name	Description
P00.03	Frequency source A	Set to 2, 3, 4 and 5(A11, A12, A13 and high-speed pulse input)
P05.00	D11(Digital input) function selection	Determine the parameters related to the terminal input function
P05.01	D12(Digital input) function selection	
P05.02	D13(Digital input) function selection	
P05.03	D14(Digital input) function selection	
P05.04	D15(Digital input) function selection	
P05.05	D16(Digital input) function selection	
P05.06	HD11 Digital input function selection (optional high speed pulse input)	
P05.07	D11~D14 Digital input Logic selection	
P05.08	D15~HD11 Digital input Logic selection	
P05.09	Operation terminal action selection	
P05.10	D1 filter time	Select the A11 input setting.
P05.11	Terminal command mode	
P05.13	A11 voltage lower limit	
P05.14	A11 lower limit setting	
P05.15	A11 voltage upper limit	
P05.16	A11 upper limit setting	
P05.17	A11 input filter time	
P05.18	A12 input selection	Select the A12 input setting.
P05.19	A12 voltage lower limit	
P05.20	A12 lower limit setting	
P05.21	A12 voltage upper limit	
P05.22	A12 upper limit setting	
P05.23	A12 input filter time	
P05.24	A12 current lower limit	

Function code	Name	Description
P05.25	A12 lower limit setting	Select the A12 input setting.
P05.26	A12 current upper limit	
P05.27	A12 upper limit setting	
P05.28	A13 voltage lower limit	Select the A13 input setting.
P05.29	A13 lower limit setting	
P05.30	A13 voltage upper limit	
P05.31	A13 upper limit setting	Select the high-speed pulse input setting.
P05.32	A13 input filter time	
P05.33	High-speed pulse input minimum frequency	
P05.34	High-speed pulse input minimum frequency setting	
P05.35	High-speed pulse input maximum frequency	
P05.36	High-speed pulse input maximum frequency setting	
P05.37	High-speed pulse input filter time	
Parameters for analog output		
Function code	Name	Description
P06.00	HDO1 output mode selection	Determine the output function of each terminal
P06.02	Digital output logic selection	
P06.03	Digital output(DO1)	
P06.04	Relay T1 digital output	
P06.05	Digital output (HDO1)	
P06.07	DO1 Digital output delay ON	
P06.08	DO1 Digital output delay OFF	
P06.09	Relay T1 output delay ON	
P06.10	Relay T1 output delay OFF	
P06.11	HDO1 Digital output delay ON	
P06.12	HDO1 Digital output delay OFF	Function selection for analog and high-speed pulse output
P06.14	Ao1 function selection	
P06.15	Ao2 function selection	
P06.16	HDO1 pulse output function selection	
P06.17	Ao1 output voltage lower limit	
P06.18	Ao1 output voltage lower limit setting	Select the related setting for AO1 output.
P06.19	Ao1 output voltage upper limit	Select the related setting for AO2 output.
P06.20	Ao1 output voltage upper limit setting	
P06.21	Ao2 output voltage lower limit	
P06.22	Ao2 output voltage lower limit setting	
P06.23	Ao2 output voltage upper limit	
P06.24	Ao2 output voltage upper limit setting	elect the related setting for HDO output.
P06.25	HDO1 mini. output setting frequency	
P06.26	HDO1 mini. output setting value	
P06.27	HDO1 max. output setting frequency	
P06.28	HDO1 max. output setting value	
Parameters for digital input terminal		
Value	Function	Description
0	No function	Disabled: No operation Enabled: No operation
1	Forward RUN (FWD)	Disabled: No operation Enabled: The inverter starts forward RUN.
2	Reverse RUN (REV)	Disabled: No operation Enabled: The inverter starts reverse RUN.
3	Three-line control	Disabled: No operation Enabled: Three-line control is enabled
4	Forward JOG (FJOG)	Disabled: No operation Enabled: The inverter starts forward JOG.
5	Reverse JOG (RJOG)	Disabled: No operation Enabled: The inverter starts reverse JOG.
6	Coast to stop	Disabled: No operation Enabled: The running inverter coasts to stop
7	RUN pause	Disabled: The inverter continues to run. Enabled: The inverter runs with frequency 0.
8	Fault reset (RESET)	Disabled: No operation Enabled: Reset faults occur in inverter
9	External fault input	Disabled: No operation Enabled: Fault occurs by external input.
10	Frequency setting UP	Disabled: No operation Enabled: The set frequency increases when the frequency source is digital setting + UP/DOWN
11	Frequency setting DOWN	Disabled: No operation Enabled: The set frequency decreases when the frequency source is digital setting + UP/DOWN
12	Frequency UP/DOWN setting clear	Disabled: No operation Enabled: Clear the modification by using the UP/ DOWN function or the turn button on the operation panel.
13	Frequency UP/DOWN setting temporary clear	Disabled: The frequency restores to the value of P00.12 and modification by using the UP/ DOWN function or the turn button on the operation panel Enabled: Clear the modification by using the UP/ DOWN function or the turn button on the operation panel temporarily

Value	Function	Description
14	Multi-reference terminal 1	The setting of 16 speeds or 16 other references can be implemented through combinations of 16 states of these four terminals.
15	Multi-reference terminal 2	
16	Multi-reference terminal 3	
17	Multi-reference terminal 4	
18	Terminal 1 for acceleration/ deceleration time selection	Totally four groups of acceleration/ deceleration time can be selected through combinations of two states of these two terminals.
19	Terminal 2 for acceleration/ deceleration time selection	Disabled: The output frequency of inverter changes with PID adjustment and PID adjustment of frequency source is normal. Enabled: PID is invalid temporarily. The inverter maintains the current frequency output without supporting PID adjustment of frequency source
20	PID pause	Disabled: The PID action direction is same to the direction set in P08. 03. Enabled: The PID action direction is reversed to the direction set inP08. 03.
21	Reverse PID action direction	Disabled: The PID parameters of the first groupWorks. Enabled: The PID parameters of the second groupWorks.
22	PID parameter switchover	Disabled: The inverter returns to the normal operation state. Enabled: The inverter directly switches over to the DC braking state.
23	Immediate DC braking	Disabled: The inverter decelerates to stop normally in decelerate to stopMode Enabled: The inverter decelerates to the initial frequency of stopDC braking and then switches over to DC braking state
24	Deceleration DC braking	Disabled: No operation Enabled: In any control mode , it can be used to make the inverter stop
25	External STOP	Disabled: No operation Enabled: In any control mode , it can be used to make the inverter stop
26	Emergency stop	Disabled: No operation Enabled: In any control mode , it can be used to make the inverter stopDirectly.
27	PLC status reset	Disabled: No operation Enabled: Restore to operation stage of PLC and clear PLC running time
28	PLC RUN pause	Disabled: Restore the original status of PLC control and continue to operate Enabled: The inverter maintains frequency 0 output.
29	Counter input	This terminal is used to count pulses.
30	Counter reset	Disabled: No operation Enabled: This terminal is used to clear the counter status
31	Length count input	This terminal is used to count the length
32	Length reset	Disabled: No operation Enabled: This terminal is used to clear the length.
33	High-speed pulse input (only for HDI)	Receive the high-speed pulse input signal.
34	Swing pause (Pause at the current frequency)	Disabled: Swing frequency operates. Enabled: The inverter operates at the current output frequency.
35	Swing reset (Return to center frequency)	Disabled: No operation Enabled: The inverter outputs central frequency and the swing frequency function works.
36	Acceleration/Deceleration prohibited	Disabled: No effect on the acceleration/ deceleration. Enabled: The acceleration/ deceleration process stops in the acceleration/ deceleration mode.
37	Run prohibited	Disabled: The inverter starts and operates normally Enabled: The inverter cannot start operation or immediate stop
38	Speed control/Torque control switchover	Disabled: Speed control mode Enabled: Torque control mode
39	Torque control prohibited	Disabled: No effect on the current control mode Enabled: The current mode cannot be torque control mode
40	Command source switchover terminal	Disabled: No effect on the current frequency setting source Enabled: The current frequency setting source switches to other setting source
41	Switch running commands to operation panel	Disabled: No effect on the current command setting mode Enabled: The setting mode of current command switches to operation panel setting.
42	Switch running commands to terminal	Disabled: No effect on the current command setting mode Enabled: The setting mode of current command switches to terminal setting.
43	Switch running commands to communication	Disabled: No effect on the current command setting mode Enabled: The setting mode of current command switches to communication setting.
44	Motor selection	Disabled: Motor 1 is enabled Enabled: Motor 2 is enabled
45	Clear the current running time	Disabled: No operation Enabled: Clear the running time of motor.
46	Accumulated encoder feedback pulse count reset	Disable: No operation Enable: Accumulated encoder feedback pulse count rese
Parameters for digital output		
Value	Function	Description
0	No output	The terminal has no function.
1	Ready for RUN	If the inverter main circuit and control circuit become stable, and the inverter detects no fault and is ready for R UN, the terminal becomes ON.
2	Inverter running	When the inverter is running and has output frequency (can be zero), the terminal becomes ON.
3	Inverter forward rotation	When the inverter is in forward rotation and has output frequency, the terminal becomes ON.
4	Inverter reverse rotation	When the inverter is in reverse rotation and has output frequency, the terminal becomes ON.
5	Zero-speed running 1 (no output at stop)	If the inverter runs with the output frequency of 0, the terminal becomes ON. If the inverter is in the stopState, the terminal becomes OFF.

6	Zero-speed running 2 (output at stop)	If the output frequency of the inverter is 0, the terminal becomes ON. In the state of stop, the signal is still ON
Value	Function	Description
7	Fault output	When the inverter stops due to a fault, the terminal becomes ON.
8	Overload pre-warning	When the inverter and motor exceeds the overload pre-warning threshold before performing the protection action. If the pre-warning threshold is exceeded, the terminal becomes ON. For motor overload parameters, see the descriptions of P13. 01 to P13. 03.
9	Lightload pre-warning	When the inverter and motor exceeds the lightload threshold or has no load, the terminal becomes ON. For motor lightload parameters, see the descriptions of P13.05 to P13.07.
10	Undervoltage state output	If the inverter is in undervoltage state, the terminal becomes ON.
11	Reserved	If the inverter temperature reaches the overheat warning threshold the terminal becomes ON. When simple PLC completes one stage, the terminal outputs a pulse signal with width of 250 ms
12	Inverter overheat warning	
13	PLC stage complete	When simple PLC completes one cycle, the terminal outputs a pulse signal with width of 250 ms
14	PLC cycle complete	If the set frequency exceeds the frequency upper limit or lower limit and the output frequency of the inverter reaches the upper limit or lower limit, the terminal becomes ON.
15	Frequency limited If	In speed control mode, if the output torque reaches the torque limit, the terminal becomes ON.
16	Torque limited (in speed control)	In the torque control mode, if the motor speed reaches the speed limit, the terminal becomes ON.
17	Speed limited (in torque control)	If the running frequency reaches the upper limit, the terminal becomes ON.
18	Frequency upper limit reached	If the running frequency reaches the lower limit, the terminal becomes ON. In the stopState, the terminal becomes OFF.
19	Frequency lower limit reached	When the set frequency reaches the detection range, the terminal becomes ON. For details, refer to P09. 04.
20	Frequency reached	1: Overcurrent 2: Input power is abnormal. 3: Motor output is abnormal. 4: The inverter mode is faulty.
21	Frequency-level detection FDT1 output	Refer to the descriptions of P09. 00 and P09. 01.
22	Frequency-level detection FDT2 output	Refer to the descriptions of P09. 02 and P09. 03.
23	Arbitrary frequency reached	Refer to the descriptions of P09. 21 and P09. 22.
24	PID feedback loss	Refer to the descriptions of P08. 16 and P08. 17.
25	Set count value reached	The terminal becomes ON when the count value reaches the value set in P09.13. For the counting function, refer to GroupP09 parameters.
26	Designated count value reached	The terminal becomes ON when the count value reaches the value set in P09.14. For the counting function, refer to GroupP09 parameters.
27	Length reached	The terminal becomes ON when the detected actual length exceeds the value set in P09. 10.
28	PID feedback overlimit	Refer to the description of P08. 18 and P08. 19.
29	Current running time reached	If the current running time of inverter exceeds the value of P09. 18, the terminal becomes ON
30	Current power-on time reached	If the current power-on time of inverter exceeds the value of P09. 19, the terminal becomes ON
31	Accumulative running time reached	If the accumulative running time of the inverter exceeds the time set in P09. 16, the terminal becomes ON
32	Accumulative power-on time reached	If the inverter accumulative power-on time exceeds the value set in P09. 17, the terminal becomes ON
33	Communication	Refer to the communication protocol. Communication setting DO1.HDO1.T1 output
34	Fault output 2	The terminal becomes ON when error occurs to the inverter and not reset(including undervoltage error and the inverter in undervoltage state)
Parameters for analog output signal		
Value	Function	Description
0	Running frequency	0 to maximum output frequency
1	Set frequency	0 to maximum output frequency
2	Output current	0 to 2 times of rated motor current
3	Output voltage	0 to 1.2 times of rated inverter voltage
4	Output torque	0 to 2 times of rated motor torque
5	Output power	0 to 2 times of rated power
6	Pulse input	0.01kHz~100.00kHz
7	ABS (A11)	0.00V~10.00V
8	ABS (A12)	0. 00V~10. 00V (or 0. 00mA~20. 00mA)
9	ABS(A13)	-10.00V ~ 10.00V
10	Length	0 to maximum set length
11	Count value	0 to maximum count value
12	Motor rotational speed	0 to rotational speed corresponding to maximum output frequency
13	Output current (absolute value)	0.0A~1000.0A
14	Output voltage (absolute value)	0.0V~1000.0V
15	Communication setting percentage	0~100. 0% For details, refer to communication protocol.

Error codes description		
Value	Function	Description
Er001	Short-circuit to ground	1: The motor insulation is abnormal. 2: The output circuit is grounded or short circuited 3: The inverter module is faulty. 4: The leakage current to the ground is too large
Er002	Overcurrent during acceleration	1: The acceleration time is too short. 2: Motor parameters are incorrect. 3: The voltage is too low. 4: The power of inverter is too low. 5: V/F curve is not appropriate. 6: The load is too heavy. 7: The startUpoperation is performed on the rotating motor
Er003	Overcurrent at constant speed	1: A sudden load is added during operation. 2: The voltage is too low. 3: The inverter model is of too small power class.
Er004	Overcurrent during deceleration	1: The inertia of load is too large 2: The deceleration time is too short. 3: The voltage is too low
Er005	Overvoltage during acceleration	1: The input voltage is abnormal 2: The startUpoperation is performed on the rotating motor upon instantaneous power-failure
Er006	Overvoltage at constant speed	1: The input voltage is abnormal 2: Input voltage changes abnormally 3: The inertia of load is too large
Er007	Overvoltage during deceleration	1: The deceleration time is too short. 2: The inertia of load is too large 3: The input voltage is abnormal.
Er008	Inverter overload	1: The acceleration/deceleration time is too short. 2: The startUpoperation is performed on the rotating motor. 3: The voltage is too low. 4: The load is too large 5: Torque boost is too large at V/F control. 6: The motor parameters is not appropriate
Er009	Motor overload	1: The voltage is too low. 2: The motor parameters is not appropriate 3: The load is too heavy or lockedrotor occurs on the motor.
Er010	Current detection fault	1: The control board connector is in bad contact. 2: Auxiliary power supply is faulty. 3: The HALL device is faulty. 4: Amplifying circuit is faulty.
Er011	Power output phase loss	1: U, V, W output phase loss 2: The inverter's three-phase outputs are unbalanced
Er012	Hardware overcurrent	1: Overcurrent 2: Input power is abnormal. 3: Motor output is abnormal. 4: The inverter mode is faulty.
Er013	Parameter fault	1: The motor and inverter do not match 2: The motor parameters are set incorrectly 3: The deviation between auto-tuning parameters and standard parameters is too large 4: The auto-tuning times out
Er014	Contactora fault	1: The voltage is too low 2: The buffer resistance is faulty upon power-on 3: The contactor is faulty 4: The control circuit is faulty
Er015	Power input phase loss	Input R, S, T phase loss
Er016	Overspeed fault	1: The setting value of the over speed value is too small. 2: the load fluctuation is too large 3: The control parameter setting of vector control is unreasonable
Er017	Speed deviation too large fault	1: The setting value of the over speed value is too small. 2: the load fluctuation is too large 3: The control parameter setting of vector control is unreasonable
Er018	Synchronizer parameter identification fault	1: The rated parameters of the motor are set improperly 2: The deviation between the self learning parameters and the standard parameters is too large 3: The self learning timeout 4: The motor line

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Value	Function	Description
Er0032	Lightload warning	1. Load becoming 0 2. Lightload warning threshold value and time is set improperly 3. The motor parameters are set improperly
Er0099	Software error	Software error
Er00100	Hardware error	Hardware error

► Parameter list

The symbols in the function code list described as follows:

○ —The setting value can be modified in the running state;
② —The setting value cannot be modified in the running state;
● —The parameters are the monitoring parameters and reserved parameters and cannot be modified.

P00 Standard function parameters group			
Function code	Name	Property	Communication address
P00.00	Motor operation mode	②	0x0000
P00.01	Motor control mode	②	0x0001
P00.02	Command source selection	②	0x0002
P00.03	Frequency source A	②	0x0003
P00.04	Frequency source B	②	0x0004
P00.05	Frequency command operation relationship	○	0x0005
P00.06	Range base of frequency source B	○	0x0006
P00.07	Range of frequency source B	○	0x0007
P00.08	Max. output frequency	②	0x0008
P00.09	Frequency upper limit source	②	0x0009
P00.10	Frequency upper limit digital setting	○	0x000A
P00.11	Frequency lower limit	○	0x000B
P00.12	Setting frequency	○	0x000C
P00.13	Acceleration time 0	○	0x000D
P00.14	Deceleration time 0	○	0x000E
P00.15	Acceleration time 1	○	0x000F
P00.16	Deceleration time 1	○	0x0010
P00.17	Acceleration time 2	○	0x0011
P00.18	Deceleration time 2	○	0x0012
P00.19	Acceleration time 3	○	0x0013
P00.20	Deceleration time 3	○	0x0014
P00.21	Acceleration/deceleration time unit	○	0x0015
P00.22	Acceleration/deceleration time Base frequency	②	0x0016
P00.23	Parameter initialization	②	0x0017
P00.24	Motor 1 Rotation direction selection	○	0x0018
P00.25	Carrier frequency setting	○	0x0019
P00.26	Carrier frequency adjustment	②	0x001A
Function code	Name	Property	Communication address
P00.27	PWM method	②	0x001B
P00.28	Operation panel and terminal UP/DOWN Frequency control	②	0x001C
P00.29	Length of operation panel and terminal UP/DOWN per step	○	0x001D
P00.30	Terminal UP/DOWN integral speed	○	0x001E
P00.31	Parameter lock	○	0x001F
P00.33	Motor parameter auto-tuning	②	0x0021
P00.34	Motor selection	②	0x0022
P00.35	Parameter copy	②	0x0023
P01 Start/stoPcontrol parameter group			
Function code	Name	Property	Communication address
P01.00	S start mode	②	0x0100
P01.01	S tartuPFrequency	○	0x0101
P01.02	S tartuPFrequency holding time	○	0x0102
P01.03	S tartuPDC braking current	○	0x0103
P01.04	S tartuPDC braking holding time	○	0x0104
P01.05	S toPmode	○	0x0105
P01.06	Initial frequency of stoPDC braking	○	0x0106
P01.08	S toPDC braking current	○	0x0108
P01.09	S toPDC braking time	○	0x0109
P01.10	JOG running frequency	○	0x010A
P01.11	JOG running acceleration time	○	0x010B
P01.12	JOG running deceleration time	○	0x010C
P01.13	E mergency stoPDeceleration time	○	0x010D
P01.14	Acceleration/Deceleration mode	②	0x010E
P01.15	Time proportion of S -curve start segment	②	0x010F
P01.16	Time proportion of S -curve end segment	②	0x0110
P01.17	JumpFrequency	○	0x0111
P01.18	Frequency jumpAmplitude (+, -)	○	0x0112
P01.19	Forward/R everse rotation dead-zone time	○	0x0113
P01.20	Running mode when set frequency lower than frequency lower limit (Valid when lower limit larger than 0)	○	0x0114

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P04.22	Voltage rise time of V/F separation	○	0x0416
P04.23	Voltage decline time of V/F separation	○	0x0417
P04.24	Voltage lower limit of V/F separation	○	0x0418
P04.25	Voltage upper limit of V/F separation	○	0x0419
P04.26	Current limit	○	0x041A
P0 4.27	Current limit switch	○	0x041B
P0 4.28	V/F torque filter coefficient	○	0x041C

P05 input terminal function parameters group			
Function code	Name	Property	Communication address
P05.00	DI1(Digital input) function selection	②	0x0500
P05.01	DI2(Digital input) function selection	②	0x0501
P05.02	DI3(Digital input) function selection	②	0x0502
P05.03	DI4(Digital input) function selection	②	0x0503
P05.04	DI5(Digital input) function selection	②	0x0504
P05.05	DI6(Digital input) function selection	②	0x0505
P05.06	HD1 Digital input function selection (optional high-speed pulse input)	②	0x0506
P05.07	DI1~DI4 Digital input Logic selection	②	0x0507
P05.08	DI 5~HD1 Digital input Logic selection	②	0x0508
P05.09	Operation terminal action selection	②	0x0509
P05.10	DI filter time	○	0x050A
P05.11	Terminal command mode	②	0x050B
P05.13	AI1 voltage lower limit	○	0x050D
P05.14	AI1 lower limit setting	○	0x050E
P05.15	AI1 voltage upper limit	○	0x050F
P05.16	AI1 upper limit setting	○	0x0510
P05.17	AI1Input filter time	○	0x0511
P05.18	AI2 input selection	○	0x0512
P05.19	AI2 voltage lower limit	○	0x0513
P05.20	AI2 voltage lower limit setting	○	0x0514
P05.21	AI2 voltage upper limit	○	0x0515
P05.22	AI2 voltage upper limit setting	○	0x0516
P05.23	AI2 input filter time	○	0x0517
P05.24	AI2 current lower limit	○	0x0518
P05.25	AI2 current lower limit setting	○	0x0519
P05.26	AI2 current upper limit	○	0x051A
P05.27	AI2 current upper limit setting	○	0x051B
P05.28	AI3 voltage lower limit	○	0x051C
P05.29	AI3 voltage lower limit setting	○	0x051D
P05.30	AI3 voltage upper limit	○	0x051E
P05.31	AI3 voltage upper limit setting	○	0x051F
P05.32	AI3 input filter time	○	0x0520
P05.33	High-speed pulse input mini. frequency	○	0x0521
P05.34	High-speed pulse input mini. frequency setting	○	0x0522
P05.35	High-speed pulse input max. frequency	○	0x0523
P05.36	High-speed pulse input max. frequency setting	○	0x0524
P05.37	High-speed pulse input filter time	○	0x0525

P06 output terminal parameter group			
Function code	Name	Property	Communication address
P06.00	HD01 output mode selection	○	0x0600
P06.02	Digital output logic selection	○	0x0602
P06.03	Digital output(DO1)	○	0x0603
P06.04	Relay T1 digital output	○	0x0605
P06.05	Digital output (HD01)	○	0x0604
P06.08	DO1 Digital output delay OFF	○	0x0608
P06.09	Relay T1 output delay ON	○	0x0609
P06.10	Relay T1 output delay OFF	○	0x060A
P06.11	HD01 Digital output delay ON	○	0x060B
P06.12	HD01 Digital output delay OFF	○	0x060C
P06.14	AO1 function selection	○	0x060E
P06.15	AO2 function selection	○	0x060F
P06.16	HD01 pulse output function selection	○	0x0610
P06.17	AO1 output voltage lower limit	○	0x0611
P06.18	AO1 output voltage lower limit setting	○	0x0612
P06.19	AO1 output voltage upper limit	○	0x0613
P06.20	AO1 output voltage upper limit setting	○	0x0614
P06.21	AO2 output voltage lower limit	○	0x0615
P06.22	AO2 output voltage lower limit setting	○	0x0616
P06.23	AO2 output voltage upper limit	○	0x0617
P06.24	AO2 output voltage upper limit setting	○	0x0618
P06.25	HD01 mini. output set frequency	○	0x0619
P06.26	HD01 mini. output set value	○	0x061A
P06.27	HD01 max. output set frequency	○	0x061B
P06.28	HD01 max. output set value	○	0x061C

P08 Process Control PID Function			
Function code	Name	Property	Communication address
P08.00	PID setting source	○	0x0800
P08.01	PID digital setting	○	0x0801
P08.02	PID feedback source	○	0x0802
P08.03	PID action direction	○	0x0803
P08.04	PID setting feedback range	○	0x0804
P08.05	Proportional gain 1	○	0x0805
P08.06	Integral time1	○	0x0806
P08.07	Differential time 1	○	0x0807
P08.08	Proportional gain 2	○	0x0808
P08.09	Integral time2	○	0x0809
P08.10	Differential time 2	○	0x080A
P08.11	PID parameter switchover condition	○	0x080B
P08.12	PID parameter switchover deviation	○	0x080C
P08.13	PID deviation limit	○	0x080D
P08.14	PID preset output value	○	0x080E
P08.15	PID preset output value holding time	○	0x080F
P08.16	Detection value of feedback loss	○	0x0810
P08.17	Detection time of feedback loss	○	0x0811
P08.18	Detection value of feedback over-limit	○	0x0812
P08.19	Detection time of feedback over-limit	○	0x0813
P08.20	PID operation at stop	○	0x0814
P08.21	Maximum value of PID outputs in reverse direction	○	0x0815

P09 special function parameter group			
Function code	Name	Property	Communication address
P09.00	Frequency detection value 1 (FDT1)	○	0x0900
P09.01	Frequency detection hysteresis (FDT hysteresis 1)	○	0x0901
P09.02	Frequency detection value 2 (FDT2)	○	0x0902
P09.03	Frequency detection hysteresis (FDT hysteresis 2)	○	0x0903
P09.04	Detection range of frequency reached	○	0x0904
P09.05	Swing frequency setting mode	○	0x0905
P09.06	Swing frequency amplitude	○	0x0906
P09.07	JumpFrequency amplitude	○	0x0907
P09.08	Swing frequency rising time	○	0x0908
P09.09	Swing frequency falling time	○	0x0909
P09.10	Set length	○	0x090A
P09.11	Number of pulses per length unit (unit 0.1)	○	0x090B
P09.12	Reserved	②	0x090C
P09.13	Set count value	○	0x090D
P09.14	Designated count value	○	0x090E
P09.15	DrooPcontrol	○	0x090F
P09.16	Accumulative running time reached	○	0x0910
P09.17	Accumulative power-on time reached	○	0x0911
P09.18	Current running time reached	○	0x0912
P09.19	Current power-on time reached	○	0x0913
P09.20	Action after accumulative power-on/running time reached	○	0x0914
P09.21	Frequency reached	○	0x0915
P09.22	Detection range of frequency reached	○	0x0A05
P09.23	The year the device was manufactured	○	0X0917
P09.24	The month the device shipped from the factory	○	0X0918

P10 Operation panel and display parameters group			
Function code	Name	Property	Communication address
P10.00	User password	○	
P10.01	STOP/RESET key function	○	0x0A01
P10.02	FUN Key function selection	②	0x0A02
P10.03	LED running display	○	0x0A03
P10.04	LED stoPdisplay	○	0x0A04
P10.05	Load speed display coefficient	○	0x0A05

P11 Multi-Reference parameters group			
Function code	Name	Property	Communication address
P11.00	Multi speed command source	②	0x0B00
P11.01	Multi speed command 1	○	0x0B01
P11.02	Multi speed command 2	○	0x0B02
P11.03	Multi speed command 3	○	0x0B03
P11.04	Multi speed command 3	○	0x0B04
P11.05	Multi speed command 4	○	0x0B05
P11.06	Multi speed command 5	○	0x0B06
P11.07	Multi speed command 6	○	0x0B07
P11.08	Multi speed command 7	○	0x0B08
P11.09	Multi speed command 8	○	0x0B09
P11.10	Multi speed command 9	○	0x0B0A
P11.11	Multi speed command 10	○	0x0B0B
P11.12	Multi speed command 11	○	0x0B0C
P11.13	Multi speed commande 12	○	0x0B0D
P11.14	Multi speed command 13	○	0x0B0E

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P11.15	Multi speed command 14	○	0x0B0F
P11.16	Multi speed command15	○	0x0B10

P12 Simple PLC function parameters group			
Function code	Name	Property	Communication address
P12.00	Simple PLC running mode	○	0x0C 00
P12.01	Simple PLC retentive selection	○	0x0C 01
P12.02	Time unit of simple PLC running	○	0x0C 02
P12.04	Running time of simple PLC reference 0	○	0x0C 04
P12.05	Acceleration/deceleration time of simple PLC reference 0	○	0x0C 05
P12.06	Running time of simple PLC reference 1	○	0x0C 06
P12.07	Acceleration/deceleration time of simple PLC reference 1	○	0x0C 07
P12.08	Running time of simple PLC reference 2	○	0x0C 08
P12.09	Acceleration/deceleration time of simple PLC reference 2	○	0x0C 09
P12.10	Running time of simple PLC reference 3	○	0x0C 0A
P12.11	Acceleration/deceleration time of simple PLC reference 3	○	0x0C 0B
P12.12	Running time of simple PLC reference 4	○	0x0C 0C
P12.13	Acceleration/deceleration time of simple PLC reference 4	○	0x0C 0D
P12.14	Running time of simple PLC reference 5	○	0x0C 0E
P12.15	Acceleration/deceleration time of simple PLC reference 5	○	0x0C 0F
P12.16	Running time of simple PLC reference 6	○	0x0C 10
P12.17	Acceleration/deceleration time of simple PLC reference 6	○	0x0C 11
P12.18	Running time of simple PLC reference 7	○	0x0C 12
P12.19	Acceleration/deceleration time of simple PLC reference 7	○	0x0C 13
P12.20	Running time of simple PLC reference 8	○	0x0C 14
P12.21	Acceleration/deceleration time of simple PLC reference 8	○	0x0C 15
P12.22	Running time of simple PLC reference 9	○	0x0C 16
P12.23	Acceleration/deceleration time of simple PLC reference 9	○	0x0C 17
P12.24	Running time of simple PLC reference 10	○	0x0C 18
P12.25	Acceleration/deceleration time of simple PLC reference 10	○	0x0C 19
P12.26	Running time of simple PLC reference 11	○	0x0C 1A
P12.27	Acceleration/deceleration time of simple PLC reference 11	○	0x0C 1B
P12.28	Running time of simple PLC reference 12	○	0x0C 1C
P12.29	Acceleration/deceleration time of simple PLC reference 12	○	0x0C 1D
P12.30	Running time of simple PLC reference 13	○	0x0C 1E
P12.31	Acceleration/deceleration time of simple PLC reference 13	○	0x0C 1F
P12.32	Running time of simple PLC reference 14	○	0x0C 20
P12.33	Acceleration/deceleration time of simple PLC reference 14	○	0x0C 21
P12.34	Running time of simple PLC reference 15	○	0x0C 22
P12.35	Acceleration/deceleration time of simple PLC reference 15	○	0x0C 23

P13 Fault and protection function parameter group			
Function code	Name	Property	Communication address
P13.01	Overload warning selection	○	0x0D01
P13.02	Overload warning detection level	○	0x0D02
P13.03	Detection time of overload warning	○	0x0D03
P13.04	Phase loss protection	○	0x0D04
P13.05	Light load warning selection	○	0x0D05
P13.06	Light load warning detection level	○	0x0D06
P13.07	Detection time of light load warning	○	0x0D07
P13.09	Short-circuit to ground upon power-on	○	0x0D09
P13.10~P13.16			
P13.17	Cooling fan control	○	0x0D11
P13.18	Reserved		
P13.19	Under-voltage setting	○	0x0D13
P13.20	Fault auto reset times	○	0x0D14
P13.21	DO action during fault auto reset	○	0x0D15
P13.22	Time interval of fault auto reset	○	0x0D16
P13.23	voltage adjustment selection	○	0x0D17
P13.24	Overvoltage stall protective voltage	○	0x0D18
P13.25	Energy braking action selection	○	0x0D19
P13.26	Energy braking protective voltage	○	0x0D1A
P13.27	Overvoltage stall gain	②	0x0D1B
P13.28	Synchronous motor overvoltage stall gain	○	0x0D1C
P13.30	Fault record selection	○	0x0D1E
P13.31	Fault code	●	0x0D1F
P13.32	Running frequency upon fault	●	0x0D20
P13.33	Output current upon fault	●	0x0D21
P13.34	Bus voltage upon fault	●	0x0D22
P13.35	Output voltage upon fault	●	0x0D23
P13.36	Input terminal status upon fault	●	0x0D24
P13.37	Output terminal status upon fault	●	0x0D25
P13.38	Module temperature	●	0x0D26
P13.39	Accumulative running time upon fault (hour)	●	0x0D27
P13.40	Accumulative running time upon fault (second)	●	0x0D28