

| $\begin{aligned} & \text { Fault } \\ & \text { code } \end{aligned}$ | Fault categories | Possible reasons for faut | Actions |
| :---: | :---: | :---: | :---: |
| E007 | $\begin{gathered} \text { Drive's } \\ \begin{array}{c} \text { controp power } \\ \text { suply vorer } \\ \text { voltage } \end{array} \\ \hline \end{gathered}$ | Abnorma AC supply volage | Check the AC supply voltage or seek service |
| E008 | $\begin{aligned} & \text { Input phase } \\ & \text { loss } \end{aligned}$ | Any of phase $R, S$ and $T$ cannot be detected | Check the wiring and installation Check the AC supply voltag |
| E009 | Output phase loss | Any of Phase $\mathrm{U}, \mathrm{V}$ and W cannot be | Check the dirive＇s output Wiring Check the cable and the motor |
| E010 | Protections of IGBT act | Short－circuit among 3－phase output or line－to－ground short circuit | Rewiring，please make sure the insulation of motor is good |
|  |  | Instantaneous over－current | Refer to E001～E003 |
|  |  | Vent is obstructed of fan does not work | Clean the vent or replace the fan |
|  |  | Over－temperature | Lower the ambient temperature |
|  |  | Wires or connectors of control board are loose | Check and rewiring |
|  |  | Current waveform distorted due to output phase loss | Check the wiring |
|  |  | Auxiliary power supply is damaged or IGBT <br> driving voltage is too low | Seek service |
|  |  | Short－circuit of IGBT bridge | Seek service |
|  |  | Control board is abormal | Seek service |
| E011 | IGBT module＇s overheat ， | Ambient over－temperature | Lower the ambient temperature |
|  |  | Vent is obstructed | Clean the vent |
|  |  | Fan does not work | Replace the fan |
|  |  | IGBT module is abnormal | Sek service |
| E012 | Rectifier＇s <br> heatsink <br> overheat | Ambient over－temperature | Lower the ambient temperature |
|  |  | Vent is obstructed | Clean the vent |
|  |  | Fan does not work | Replace the fan |
| E013 | $\underset{\substack{\text { Dive } \\ \text { overload }}}{ }$ | Parameeters of motor are wrong | Auto－tune the parameters of motor motor |
|  |  | Too heavy load | $\begin{aligned} & \text { Select the divive with bigger } \\ & \text { power } \end{aligned}$ |
|  |  | DC injection braking current is too big | Reduce the DC injection braking current and prolong the braking time |
|  |  | Too short acceleration time | Prolong acceleration time |
|  |  | Low AC supply volage | Check the AC supply volage |
|  |  | Improper V／F curve | Adjust V／F curve or torque boost value |
| E014 | $\begin{gathered} \text { Motor } \\ \text { overload } \end{gathered}$ | Improper motor＇s overload protection threshold | Modify the motor＇s overload protection threshold． |
|  |  | Motor is locked or load suddenly become too big | Check the load |
|  |  | Common motor has operated with heavy load at low speed for a long time． | Use a special motor if the motor is required to operate for a long time． |
|  |  | Low AC supply volage | Check the AC supply volage |
|  |  | Improper VF curve | Set V／F curve and torque boost value correctly |
| E015 | $\begin{gathered} \text { external } \\ \text { equipment } \\ \text { fails } \end{gathered}$ | Terminal used for stopping the drive in emergent status is closed | Disconnect the terminal if the external fault is cleared |
| E016 | $\begin{gathered} \text { EEPROM } \\ \text { R/W } \\ \text { fault } \end{gathered}$ | RW fault of control parameters | $\underset{\text { Press STOPRRT to reset，}}{\text { seek service }}$ |
| ${ }^{0017}$ | Communicatio n timeout | The seting time is too shot | Set b3．02 to 0，it means do not detection |
| E018 | $\begin{aligned} & \text { Contactor not } \\ & \text { closed } \end{aligned}$ | Low AC supply volage | Check the AC supply volage |
|  |  | Contactor damaged | Replace the contactor in main circuit and seek service |
|  |  | Soft start resistor is damaged | Replace the soft start resisto and seek service |
|  |  | Control circuit is damaged | Seek service |
|  |  | Input phase loss | Check the wiring of $\mathrm{R}, \mathrm{S}, \mathrm{T}$ ． |
| E019 | $\begin{gathered} \text { Current } \\ \text { defection } \\ \text { cercuit } \\ \text { fafis } \end{gathered}$ | Wires or connectors of control board are loose | Check and re－wire |
|  |  | Auxiliary power supply is damaged | Sek service |
|  |  | Hall sensor is damaged | Seek service |
|  |  | Amplifying iricuit is abnormal | Seek service |


| Fault | Fault | Possible reasons for fautt | Actions |
| :---: | :---: | :---: | :---: |
| E020 | Systeminterference | Terible inereference | Press STOP／RSTkey to reset or add a power filter in front of power supply input |
|  |  | DSP in control board read／write by | Press STOP／RST key or |
| E023 | $\begin{gathered} \text { Parameter } \\ \text { coppy } \\ \text { erero } \end{gathered}$ | Panel＇s parameters are not complete or version of the parameters are not the version of the parameters are not the same as that of the main control board |  |
|  |  | Panels EEPRoM is damaged | Seek service |
| E024 | $\begin{aligned} & \text { Auto-tuning } \\ & \text { fault } \end{aligned}$ | Improper settings of parameters on the nameplate | Set the parameters correctly according to the nameplate |
|  |  | $\underset{\substack{\text { Prohibiting contra Auto－turning during } \\ \text { rollback }}}{ }$ | Cancel prolibiting rollack |
|  |  | Overtime of auto－turing | Check the motor＇s wiring |
|  |  |  | Check the set value of A0．10（upper limiting frequency），make sur if it is lowertan the reted frequency or not |
| ${ }^{\text {E026 }}$ | The load of drive is lost | The load is lost or reduced | Check the situation of the load |
| E027 | $\begin{aligned} & \text { Brake unit } \\ & \text { fault } \end{aligned}$ | Brake tube is broken | Seek service |

List of Parameters

| $\begin{array}{\|l} \hline \begin{array}{l} \text { Function } \\ \text { code } \end{array} \\ \hline \end{array}$ | Name | Descripions | Unit | Factory setting | ${ }_{\text {if }}^{\text {Mod }}$ | $\begin{array}{\|l\|l\|} \hline \text { Setiting } \\ \text { range } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Group A ：Basic operating parameerers |  |  |  |  |  |  |
| ${ }^{\text {A0．00 }}$ | User password | 0：No password protection． | 1 | 0 | 。 | $0 \sim$ FFFF |
| ${ }^{\text {A0．01 }}$ | Control mode | l：0： $\operatorname{seserved}$ <br> 1：eresved <br> 2：VF control | 1 | 0 | $\times$ | 0， 2 |
| ${ }^{\text {A0．02 }}$ | Main reference <br> frequency <br> selector | o：Digital setting in A0．03 1：A A Reserved 3：Potentiometer | 1 | 0 | 。 | 0．5 |
| ${ }^{\text {A0．03 }}$ | Set the operating <br> freuuncy in <br> digital mode <br> digital mode | A0．11～A0．10 | 0.01 H | 50.00 | 。 | 0－3000 |
| ${ }^{\text {A0．04 }}$ | Method of inputing operatig commands | 0：Panel control <br> 1：Terminal control <br> 2：Communication control | ${ }^{1}$ | ${ }^{0}$ | 。 | 0～2 |
| ${ }^{\text {A0．05 }}$ | Set running direction | 0 ：Forward 1：Reverse | ${ }^{1}$ | 0 | 。 | 0～1 |
| ${ }^{\text {A0．06 }}$ | Acc time 1 | 0．006000．0 | 0.15 | 6.05 | － | $0 \sim 60000$ |
| ${ }^{\text {A0．07 }}$ | Dec ime 1 | 0．006000．0 | 0.15 | 6．0s | $\bigcirc$ | 0－60000 |
| A0．08 | Max．outpu frequency | $5 \mathrm{HHz} \mathrm{\sim} 300.00 \mathrm{~Hz}$ | ${ }^{0.01 \mathrm{~Hz}}$ | 50.00 | ＊ | 0－30000 |
| ${ }^{\text {A0．09 }}$ | Max．output voltage | 0－480 | 1v | $\begin{aligned} & \text { VFD's } \\ & \text { rated } \\ & \text { values } \end{aligned}$ | ＊ | 0～480 |
| ${ }^{\text {A0．10 }}$ | Upper limit of frequency | A0．11～A0．08 | ${ }^{0.01 \mathrm{~Hz}}$ | 50.00 | ${ }^{\circ}$ | 0－30 |
| ${ }^{\text {A0．11 }}$ | Lower limit of frequency | 0．00～A0．10 | ${ }^{0.01 \mathrm{~Hz}}$ | 0.00 | － | 0－30000 |
| ${ }^{\text {A0．} 12}$ | Basic operating frequency | $0.00-300.00 \mathrm{~Hz}$ | ${ }^{0.01 \mathrm{~Hz}}$ | 50.00 | － | 0－30000 |
| A0．13 | Torque boost | 0．0\％（Auto），0．1\％3 30．0\％ | 0．1\％ | 0．0\％ | － | 0，300 |
| ${ }^{\text {A1．00 }}$ | Starting mode | 0：Start fro <br> frequency <br> 1：Brake firs | meters | ${ }^{0}$ | ＊ | 0～2 |
| ${ }^{\text {A1．01 }}$ | $\begin{aligned} & \text { Stating } \\ & \text { frequency } \end{aligned}$ | ${ }^{0.00-60.00 H z}$ | ${ }^{0.01 \mathrm{~Hz}}$ | ${ }^{0.00 \mathrm{~Hz}}$ | － | 00.6000 |
| ${ }^{\text {A1．02 }}$ | $\begin{aligned} & \begin{array}{l} \text { Holding gime of } \\ \text { statring tim } \\ \text { frequency } \end{array} \\ & \hline \end{aligned}$ | 0．00～10．00s | ${ }^{0.015}$ | ${ }^{0.005}$ | 。 | 0～1000 |
| ${ }^{\text {A1．03 }}$ | DC injection | $0.0 \% \sim 100.0 \%$ drive＇s rated current | 0．1\％ | 0．0\％ | － | 0～1000 |
| ${ }^{\text {A1．04 }}$ | $\begin{aligned} & \text { DC injection } \\ & \text { braking } \\ & \text { time at start } \end{aligned}$ |  | ${ }^{0.015}$ | ${ }^{0.005}$ | ${ }^{\circ}$ | 0－3000 |
| ${ }^{\text {A1．05 }}$ | Stopping mode | 0：Dec－to－stop <br> 1：Coast－to－stop braking | ${ }^{1}$ | ${ }^{0}$ | ＊ | 0～2 |
| ${ }^{\text {A1．06 }}$ | $\begin{aligned} & \text { DC injection } \\ & \text { braking initial } \\ & \text { frequency at stop } \end{aligned}$ | ${ }^{0.00-60.00 H z}$ | ${ }^{0.01 \mathrm{~Hz}}$ | ${ }^{0.00 \mathrm{~Hz}}$ | 。 | 0～6000 |
| $\stackrel{\text { A1．07 }}{ }$ | $\begin{aligned} & \text { Injection braking } \\ & \text { waiting time at } \end{aligned}$ | 0．00～10．00s | ${ }^{0.015}$ | 0．00s | 。 | $0 \sim 10$ |









 4：Reverse jog operation
5． 3 －wire operation control
Exxeral RESET Simal input

| $\begin{aligned} & \text { Function } \\ & \text { Fode } \\ & \hline \text { cole } \end{aligned}$ | Name | Descripitions | Unit | $\begin{array}{\|l} \text { Factory } \\ \text { seting } \end{array}$ | $\begin{aligned} & \text { Mod } \\ & \text { if. } \end{aligned}$ | $\begin{array}{\|l\|l\|} \hline \text { Seting } \\ \text { range } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  | reserved |  |  |  |  |  |
| A6．08 | Terminal filter | 0.500 ms |  | 10 |  | 0．500 |
| A6．09 | Terminal control mode selection |  3：3－wire operation mode | 1 | 0 | $\times$ | 0，3 |
| $\begin{array}{\|l\|l} \hline A 6.10 \\ \text { AGA1. } \\ \text { A6.12 } \end{array}$ | reserved |  |  |  |  |  |
| A6．13 | Input terminal＇s positive and negative logic |  | 1 | 00 | － | 0～FFH |
| A6.14 | resered |  | 1 | 0 | $\times$ | 0.50 |
| ${ }^{\text {A6．}} 16$ | Output functions of relay R1 |  | 1 | 15 | $\times$ | 0．50 |


| $\begin{aligned} & \text { Function } \\ & \text { code } \end{aligned}$ | Name | Descripioions | Unit | $\begin{array}{\|l} \text { Factory } \\ \text { seting } \end{array}$ | $l_{\text {if. }}^{\text {Mod }}$ | Setting |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
| A6． 18 | Output terminal＇s <br> positive and <br> negative logic |  | 1 | 0 | － | 0～1FH |
| A6． 19 | $\begin{array}{\|l} \hline \text { Frequency } \\ \text { arriving signal } \end{array}$ (FAR) | $0.000-300.00 \mathrm{~Hz}$ | ${ }^{0.01 \mathrm{~Hz}}$ | 2．50Hz | － | 0－30000 |
| ${ }^{\text {A6．} 20}$ | FDT1 level | $0.00 \sim 300000 \mathrm{~Hz}$ | 0．01Hz | 50．00Hz | $\bigcirc$ | 0，30000 |
| A6．21 | FDT1 lag | 0.000300 .00 Hz | 0.01 Hz | 1．00Hz | － | 0－30000 |
| A6．22 | FDT2 level | 0.000300 .00 Hz | ${ }^{0.01 \mathrm{~Hz}}$ | 25．00Hz | － | 0，30000 |
| A6．23 | FDT2 lag | $0.00 \sim 300.00 \mathrm{~Hz}$ | ${ }^{0.01 \mathrm{~Hz}}$ | ${ }^{1.00 \mathrm{~Hz}}$ | $\bigcirc$ | ${ }^{0-30000}$ |
| ${ }^{\text {A6．} 24}$ | Virtual terminal |  | 1 | 00 | － | $0 \sim \mathrm{FFH}$ |
| $\begin{array}{\|l\|} \hline \begin{array}{l} \mathrm{A} 6.28 \sim \mathrm{~A} \\ 6.43 \end{array} \\ \hline \end{array}$ | reserved |  |  |  |  |  |
| A6．44 | Setting value of timer 1 | 0．0～10．0s | ${ }^{0.15}$ | 0.0 | 。 | 1～100 |
| A6．45 | $\begin{aligned} & \text { Setting value of } \\ & \text { timer } 2 \end{aligned}$ | 0～100s | ${ }^{15}$ | ${ }^{0}$ | ${ }^{\circ}$ | $1 \sim$ |
| ${ }^{\text {A6．46 }}$ | Target value of counter | ${ }^{0-65335}$ | 1 | 100 | － | ${ }^{0} 065535$ |
| ${ }^{\text {A6．47 }}$ | Intermediate value of counter | 0～65335 | 1 | 50 | 。 | 0.65 |
| Group A8：Fault parameerers |  |  |  |  |  |  |
| ${ }^{\text {A8．00 }}$ | $\begin{aligned} & \text { Protective action } \\ & \text { of relay } \end{aligned}$ | Action selection for under－voltage fault indication． $0:$ Disable1：Enable Action selection for auto reset interval fault indication． $0:$ Disable1：Enabl Hundred＇s place of LED： function． 0：Disable1：Enable Thousand＇s place of LED Reserved | ${ }^{1}$ | 0000 | ＊ | 0～1111H |
| A8．01 | Fault masking selection 1 |  | 1 | 2000 | $\times$ | 0～2222H |
| ${ }^{\text {A8．02 }}$ | Fault masking <br> selection 2 | Unit＇s place of LED： Open phase fault masking selection for input Ten＇s place of LED： Open phase fault masking selection for output | ${ }^{1}$ | 00 | $\times$ | 0～22H |
| A8．03 | $\begin{aligned} & \text { Motor overload } \\ & \text { protection mode } \\ & \text { selection } \end{aligned}$ |  | 1 | 1 | ＊ | 0～2 |
| ${ }^{\text {A8．04 }}$ | Auto reset times | 0：No function iN10：Auto reset times Noto：The GBT protection （E001）and xxternal equipment fault（ a0015）cannot be reset | ${ }^{1}$ | 0 | ＊ | 0～100 |


| Function | Name | Descriptions | Unit | Factory | ${ }_{\text {if. }}^{\text {Mod }}$ | Seting |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | automatically． |  |  |  |  |
| A8．05 | Reset inteval | 2．0－20．0stime | 0.15 | 5.05 | $\times$ | $20 \sim 200$ |
| A8．06 | Fault locking function | 0：Disable． 1：Enable | 1 | 0 | $\times$ | $0 \sim 1$ |
| Group b0：Motor parameers |  |  |  |  |  |  |
| b0．00 | Rated power | 0．4－999．9KW | 0.1 | 0 | $\times$ | 4－9999 |
| 60.01 | Rated volage | 0～rated voltage of drive |  | 0 | $\times$ | 0．999 |
| b0．02 | Rated current | 0．1～99．9A | ${ }^{0.1 \mathrm{~A}}$ | $\begin{aligned} & \hline \text { Depend } \\ & \text { on } \\ & \text { drive's } \end{aligned}$ | $\times$ | 1－9999 |
| b0．03 | Rated frequency | $1.00 \sim 1000.00 \mathrm{~Hz}$ | 0．01Hz | $\begin{aligned} & \text { Dopend } \\ & \text { oprond } \\ & \text { orive's } \end{aligned}$ | $\times$ | 100－30000 |
| b0．04 | Number of polarit | $2 \sim 24$ | 1 | ${ }^{4}$ | $\times$ | 2～24 |
| b0．05 | Rated speed | $0 \sim 60000 \mathrm{PPM}$ | 1RPM | ${ }^{1440 \mathrm{RP}}$ | $\times$ | $0 \sim 6000$ |
| b0．06 | Resistance of stator \％R1 | 0．00\％ $50.00 \%$ | 0．01\％ | $\begin{array}{\|l} \begin{array}{l} \text { Depend } \\ \text { on } \\ \text { dive's } \\ \text { model } \end{array} \\ \hline \end{array}$ | $\times$ | 0.5000 |
| b0．07 | Leakage inductance \％Xl | 0．00\％ $50.00 \%$ | 0．01\％ | $\begin{aligned} & \text { Depend } \\ & \text { on } \\ & \text { dives } \\ & \text { model } \end{aligned}$ | ＊ | 0－5000 |
| b0．08 | Resistance of rotor oor <br> $\%$ \％ | 0．00\％ $50.00 \%$ | 0．01\％ | Depend <br> on <br> drives <br> model | ＊ | 0－5000 |
| b0．09 | Exciting inductance \％Xm | 0．0\％ $2000.0 \%$ | 0．1\％ | $\begin{array}{\|l} \text { Depend } \\ \text { Den } \\ \text { on } \\ \text { diveds } \\ \text { model } \end{array}$ | $\times$ | 0～2000 |
| b0．10 | $\begin{aligned} & \hline \text { Current without } \\ & \text { load I0 } \end{aligned}$ | 0．1－999．9A | 0．1A | Depend <br> on drive＇ <br> drive＇s model | $\times$ | 1～9999 |
| b0．11 | Auto－tuning |  2：Rotating auto－tuning | ${ }^{1}$ | ${ }^{0}$ | ＊ | 0.3 |
| b0．12 | Motor＇s overload protection coefficien | 20．0\％ $110.0 \%$ | 0．1\％ | 100．0\％ | ＊ | 200～1100 |
| b0．13 | Oscillation coefficien | 0－255 | ${ }^{1}$ | 10 | 。 | 0－255 |
| Group bi：V／F parameters |  |  |  |  |  |  |
| b1．00 | VF curve seting | 0 ：V／F curve is defined by user 1：2－order curve <br> 2．1．7－order curve <br> 3：1．2－order curve | ${ }^{1}$ | ${ }^{0}$ | ＊ | 0.3 |
| b1．01 | $\begin{array}{\|l\|} \hline \text { V/F frequency } \\ \text { value F3 } \end{array}$ | B1．03－A0．08 | ${ }^{0.01 \mathrm{~Hz}}$ | 0．00Hz | × | $0 \sim 30000$ |
| b1．02 | $\begin{array}{\|l\|} \hline \text { VFre volage value } \\ \hline \text { V3 } \\ \hline \end{array}$ | B1．04～100．0\％ | 0．1\％ | 0．0\％ | $\times$ | 0～1000 |
| b1．03 | V／F frequency value F2 | B1．05～B1．01 | ${ }^{0.01 \mathrm{~Hz}}$ | 0．00Hz | $\times$ | 0－30000 |
| b1．04 | V V volage value | B1．06－81．02 | 0．1\％ | 0．0\％ | ＊ | $0 \sim 1000$ |
| ${ }^{\text {b1．05 }}$ | V／F frequency value F1 | 0．00～B1．03 | ${ }^{0.01 \mathrm{~Hz}}$ | 0．00Hz | $\times$ | 0－30000 |
| b1．06 | VIF volage value V1 | 0－B1．04 | 0．1\％ | 0．0\％ | ＊ | 0～1000 |
| b1．07 | Cut－off poin used for manual torque boost | $0.0 \% \sim 50.0 \%$（Corresponding to A0．12） | 0．1\％ | 10．0\％ | 。 | 0.500 |
| ${ }^{1.08}$ | AVR function | $\begin{aligned} & \text { 0: Disable } \\ & \text { 1: Enable all the time } \\ & \text { 2: Disabled in Dec process } \end{aligned}$ | 1 | ${ }^{2}$ | $\times$ | 0,2 |
| b1．09 | VF Output volage selection | $\begin{aligned} & \text { 0: no function } \\ & \text { 1: AI } \end{aligned}$ | ${ }^{1}$ | 0 | $\times$ | 0，3 |
| b1．10 | VF Output voltage offset selection | $\begin{aligned} & \hline 0 \text { : no function } \\ & 1: \mathrm{AI} \end{aligned}$ | ${ }^{1}$ | 0 | $\times$ | 0.3 |
| Group b2：Enhanced parameeres |  |  |  |  |  |  |
| b2．00 | Carrier wave <br> frequency | ${ }^{2.006 .0 \mathrm{KHz}}$ | 0.1 | 6.0 | 。 | 20～150 |
| b2．01 | Auto adjusting of CWF | O：Disable i：Enable | 1 | 1 | － | $0 \sim 1$ |
| b2．02 | $\begin{array}{\|l\|} \hline \begin{array}{l} \text { Voltage } \\ \text { adjustmen } \\ \text { selection } \end{array} \end{array}$ | Unit＇s place of LED： Over－volage a stall Selection o Disable（When install brake resistor） 1：Enable Ten＇s place of LED： Not stap when instantaneous Ntop function selection 0．Disable | 1 | ${ }^{001}$ | ＊ | 0～111H |


| Function code | Name | Descriptions | Unit |  | $\begin{aligned} & \text { Mod } \\ & \text { if. } \end{aligned}$ | $\begin{aligned} & \text { Setting } \\ & \text { range } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  Overnouluaton selecii o：Disablel：Enable |  |  |  |  |
| b2．03 | Overvoltage point at stall | 120．0\％ $150.0 \%$ Udce | 0．1\％ | 140．0\％ | $\times$ | 1200～1500 |
| b2．04 | Dioop control | 0：Disable，0．01～10．00Hz | 0.01 | ${ }^{0.00 \mathrm{~Hz}}$ | 。 | 0～1000 |
| b2．05 | Auto current limiting threshold | 20．0\％ $200.0 \%$ de | 0．1\％ | 150．0\％ | $\times$ | 200－2000 |
| b2．06 | Frequency decrease rate when current <br> rate when limiting | 0．00－99．99Hz／s | $0.01 \mathrm{~Hz} /$ <br> s | $\begin{aligned} & 10.00 \\ & \mathrm{Hzz/s} \end{aligned}$ | 。 | 0－9999 |
| b2．07 | Auto curren limiting <br> selection | ：IIvvalid at constant speed 1：Valid at constant speed Note：It is valid all the time at AccIDec | ${ }^{1}$ | ${ }^{1}$ | ＊ | 0～1 |
| b2．08 | Gain of Slip <br> compensation | 0．00300．0\％ | 0．1\％ | 100．0\％ | － | 0～3000 |
| b2．09 | $\begin{array}{\|l} \hline \text { Slip } \\ \text { compensation } \\ \text { limit } \end{array}$ | 0．0～250．0\％ | 0．1\％ | 200．0\％ | － | 0～2500 |
| b2．10 | $\begin{array}{\|l\|} \hline \text { Slip } \\ \text { compensation } \\ \text { time constant } \\ \hline \end{array}$ | 0．125．0s | ${ }^{0.15}$ | ${ }^{2.05}$ | － | 0～250 |
| b2．11 | $\begin{array}{\|l\|} \hline \text { auto } \\ \text { energy-saving } \\ \text { function } \\ \hline \end{array}$ | 0：Disable 1：Enable | 1 | 0 | $\times$ | 0～1 |
| b2．12 | Frequenc） decrease rate at voltage compensatio | 0．00－99．99Hz／s | ．0．01Hz／ | $\begin{aligned} & 10.00 \\ & \mathrm{Hzz/s} \end{aligned}$ | － | 0－9999 |
| b2．13 | Zero－frequency operation threshold <br> threshold | $0.00 \sim 300.00 \mathrm{~Hz}$ | ${ }^{0.01 \mathrm{~Hz}}$ | ${ }^{0.50 \mathrm{~Hz}}$ | 。 | 0－30000 |
| b2．14 | Zero－frequency Hysteresis （Reserved） <br> （Reserved） | $0.00-300.00 \mathrm{~Hz}$ | ${ }^{0.01 \mathrm{~Hz}}$ | ${ }^{0.00 \mathrm{~Hz}}$ | － | 0－30000 |
| b2．15 | Fan control |  | ${ }^{1}$ | 0 | $\times$ | 0～1 |
| b3．00 | Communication configuration |  | ameter | 001 |  | ${ }^{0 \sim 155 H}$ |
| b3． 01 | Local address | $0 \sim 127,0$ is the broadcasting | 1 | 5 | $\times$ | 0～127 |
| b3．02 | $\begin{array}{l}\text { Time threshold } \\ \text { for judging the } \\ \text { communication }\end{array}$ status | 0．0～1000．0s | ${ }^{0.1}$ | 0.05 | $\times$ | 0～10000 |
| b3．03 | $\begin{array}{l}\text { Delay for } \\ \text { responding to }\end{array}$ control PC | $\sim \sim 100 \mathrm{~ms}$ | 1 | 5 ms | $\times$ | 0～1000 |
| b4．00 | Key－lock function selection |  | ters | 0 | 。 | ${ }^{0 \sim 4}$ |
| b4．01 | Multi－function key definition | Reserved | 1 | 4 | － | 0.5 |
| b4．02 | $\begin{array}{\|l\|l} \hline \begin{array}{l} \text { Parameter } \\ \text { protection } \end{array} \end{array}$ | 0：All parameters are allowed modifying mon monty modied． 03 and $b 4.02$ can be 2：Only b4． 02 can be modified． | 1 | 1 | － | 0～2 |



| $\begin{aligned} & \text { Function } \\ & \text { code } \end{aligned}$ | Name | Descriptions | Unit | Factory seting | ${ }_{\text {if }}^{\text {ifod }}$ | Seting range and |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| C1．14 | Eror limit | 0．0～20．0\％（Corresponding to close－loop reference） | 0．1\％ | 2．0\％ | 。 | 0～200 |
| ${ }^{1} 1.15$ |  | $\begin{aligned} & \text { 0: Positive } \\ & \text { 1: Negative } \end{aligned}$ | 1 | ${ }^{0}$ | $\times$ | ${ }^{0 \sim 1}$ |
| ${ }^{1} 1.16$ | $\begin{aligned} & \text { Inegral } \\ & \text { regation } \\ & \text { relection } \end{aligned}$ | 0：Stop integral regulation when the frequency reaches the upper and lower limits 1：Continue the integral regulation when the frequency limits | 1 | 0 | × | $0 \sim 1$ |
| C1．17 | Preset close－loop frequency | $0.00-300.00 \mathrm{~Hz}$ | ${ }^{0.01 \mathrm{~Hz}}$ | ${ }^{0.00 \mathrm{~Hz}}$ | 。 | 0－30000 |
| ${ }^{1} 1.18$ | Holding time of preset close－loop frequency | 0．003600．0s | 0.15 | 0.05 | $\times$ | 0－36000 |
| $\begin{array}{\|l\|} \hline \begin{array}{l} \text { C1.19q } \\ \text { C1.33 } \end{array} \end{array}$ | Preset close－loop <br> reference 1～15 | －10．00V 10.00 V | ${ }^{0.01 \mathrm{~V}}$ | 0．00V | 。 | 0～2 |
| C1．34 | Close－loop output reversal selection | 0 ：The close－loop output is negative， <br> the drive will operate at zero frequency． <br> 1：The close－loop output is reverse． | 1 | 0 | － | ${ }^{0 \sim 1}$ |
| ${ }^{\text {c1．35 }}$ | Sleep function selection | O：Disable i：Enable． | 1 | 0 | － | 0～1 |
| ${ }^{\text {C1．36 }}$ | Sleep level | 0．0～100．0\％ | 0．1\％ | 50．0\％ | 。 | $0 \sim 1000$ |
| ${ }^{1} 1.37$ | Sleep latency | $0.0 \sim 6000.0 \mathrm{~s}$ | 0.15 | 30.05 |  | $0 \sim 60000$ |
| ${ }^{\text {C1．38 }}$ | Wake－up level | 0．0～100．0\％ | 0．1\％ | 50．0\％ | $\bigcirc$ | $0 \sim 1000$ |
| C2．00 | $\begin{array}{\|l\|l} \hline \text { Simple PLCC } \\ \text { operation } \\ \text { mode selector } \end{array}$ |  | ${ }^{1}$ | 0000 |  | $0 \sim 11$ |
| C2．01 | Step 1 setting | Unit＇s of LED： <br> 0：Multiple frequency <br> N（N．corresponding to current <br> step） <br> 2：Multipe by A0．02 <br> e closed－loop <br> reference N （ N ：corresponding to <br> 3：Defined by <br> Ten＇s place of LED： <br> 0：Forward1：Reverse <br> 2：Defined by operation <br> command <br> Hundred＇s place of LED： <br> 0 ．Acc／Dec time 1 <br> 2．Acc／Dec time 2 <br> 3：Acc／Dec time 4 | ${ }^{1}$ | 000 | － | ${ }^{0 \sim 323 H}$ |
| C2．02 | Step 1 operating time | 0．0．6500．0 | 0.1 | 20.0 | 。 | 0.65000 |
| $\begin{aligned} & \mathrm{C} 2.03 \sim \mathrm{C} \\ & 2.30 \end{aligned}$ | $\begin{aligned} & \text { Step N setting } \\ & \text { and } \\ & \text { Step N operating } \\ & \text { time } \\ & \hline \end{aligned}$ | Step N setting is same as C2．01 Step N operating time same as C2．02 | $\begin{array}{\|l\|} \hline 1 \\ 0.1 \end{array}$ | $\begin{aligned} & 0000 \\ & 20.0 \\ & \hline \end{aligned}$ | ： | $\begin{aligned} & 0 \sim 323 \mathrm{H} \\ & 0 \sim 65000 \end{aligned}$ |
| Group C3：Swing pramelers |  |  |  |  |  |  |
| C3．00 | Swing function selector | 0：Disable 1：Enable | 1 | ${ }^{0}$ | ＊ | $0 \sim 1$ |
| C3．01 | $\begin{aligned} & \text { Swing Operation } \\ & \text { mode } \end{aligned}$ | Unit＇s place of LED：Startup method <br> 0：Auto mode1：By terminal Ten＇s place of LED：Swing control <br> 0：Reference centre frequency 1：Reference max．frequency Hundred＇s place of LED：Swing 0 ．Save after <br> 1：Not save after stop <br> Thousand＇s place of LED： | 1 | 0000 | $\times$ | 0～1111H |



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$\square$


Note：：Can be modified durings oporation；
x：Cannot be modified during operating；
$x_{:}$：Cannot be modified during operating；
\％：Actually detected and cannot terevised：
－：Defaulted by factory and cannot be modified．

