

Parameter Compare between Different INVT Models

Parameter Discription	CHF100A	CHE100	GD10	GD100	GD200
P00 Group: Basic Function					
Control mode	P0.00	P0.00	P00.00	P00.00	P00.00
Run command source	P0.01	P0.01	P00.01	P00.01	P00.01
UP/DOWN setting	P0.02	P0.02	...	...	...
Maximum frequency	P0.03	P0.04	P00.03	P00.03	P00.03
Upper frequency limit	P0.04	P0.05	P00.04	P00.04	P00.04
Lower frequency limit	P0.05	P0.06	P00.05	P00.05	P00.05
Keypad reference frequency	P0.06	P0.07	P00.10	P00.10	P00.10
Frequency A command source	P0.07	P0.03	P00.06	P00.06	P00.06
Frequency B command source	P0.08	...	P00.07	P00.07	P00.07
Scale of frequency B command	P0.09	...	P00.08	P00.08	P00.08
Frequency command selection	P0.10	...	P00.09	P00.09	P00.09
Acceleration time 0	P0.11	P0.08	P00.11	P00.11	P00.11
Deceleration time 0	P0.12	P0.09	P00.12	P00.12	P00.12
Running Direction selection	P0.13	P0.10	P00.13	P00.13	P00.13
Carrier frequency	P0.14	P0.11	P00.14	P00.14	P00.14
AVR function	P0.15	P0.14	P00.16	P00.16	P00.16
Motor parameters autotuning	P0.16	P0.12	...	P00.15	P00.15
Restore parameters	P0.17	P0.13	P00.18	P00.18	P00.18
P01 Group: Start and Stop Control					
Start Mode	P1.00	P1.00	P01.00	P01.00	P01.00
Starting frequency	P1.01	P1.01	P01.01	P01.01	P01.01
Hold time of starting frequency	P1.02	P1.02	P01.02	P01.02	P01.02
DC Braking current before start	P1.03	P1.03	P01.03	P01.03	P01.03
DC Braking time before start	P1.04	P1.04	P01.04	P01.04	P01.04
Acceleration/Deceleration mode	P1.05	...	P01.05	P01.05	P01.05
Stop mode	P1.06	P1.05	P01.08	P01.08	P01.08
Starting frequency of DC braking	P1.07	P1.06	P01.09	P01.09	P01.09
Waiting time before DC braking	P1.08	P1.07	P01.10	P01.10	P01.10
DC braking current	P1.09	P1.08	P01.11	P01.11	P01.11
DC braking time	P1.10	P1.09	P01.12	P01.12	P01.12
Dead time of FWD/REV	P1.11	P1.10	P01.13	P01.13	P01.13
Action when running frequency is less than lo	P1.12	...	P01.19	P01.19	P01.19
Delay time for restart	P1.13	...	P01.20	P01.20	P01.20
Restart after power off	P1.14	...	P01.21	P01.21	P01.21
Waiting time of restart	P1.15	...	P01.22	P01.22	P01.22
Terminal function examined when power is on	P1.16	...	P01.18	P01.18	P01.18
P02 Group: Motor Parameters					
Inverter model	P2.00	P2.00	...	...	P00.17
Motor rated power	P2.01	P2.01	P02.01	P02.01	P02.01
Motor rated frequency	P2.02	P2.02	P02.02	P02.02	P02.02
Motor rated speed	P2.03	P2.03	P02.03	P02.03	P02.03
Motor rated voltage	P2.04	P2.04	P02.04	P02.04	P02.04

Parameter Discription	CHF100A	CHE100	GD10	GD100	GD200
Motor rated current	P2.05	P2.05	P02.05	P02.05	P02.05
Motor stator resistance	P2.06	P2.06	P02.06	P02.06	P02.06
Motor rotor resistance	P2.07	P2.07	P02.07	P02.07	P02.07
Motor leakage inductance	P2.08	P2.08	P02.08	P02.08	P02.08
Motor mutual inductance	P2.09	P2.09	P02.09	P02.09	P02.09
Current without load	P2.10	P2.10	P02.10	P02.10	P02.10
P03 Group: Vector Control					
ASR proportional gain Kp1	P3.00	P3.00	...	P03.00	P03.00
ASR integral time Ki1	P3.01	P3.01	...	P03.01	P03.01
ASR switching point 1	P3.02	P3.02	...	P03.02	P03.02
ASR Proportional gain Kp2	P3.03	P3.03	...	P03.03	P03.03
ASR integral time Ki2	P3.04	P3.04	...	P03.04	P03.04
ASR switching point 2	P3.05	P3.05	...	P03.05	P03.05
Slip compensation rate of VC	P3.06	P3.06	...	P03.07	P03.07
Torque upper limit	P3.07	P3.07	...	P03.20	P03.20
Torque setting source	P3.08	PD.06	...	P03.11	P03.11
Keypad torque setting	P3.09	PD.07	...	P03.12	P03.12
Upper frequency setting source	P3.10	PD.08	...	P03.14	P03.14
P04 Group: V/F Control					
V/F curve selection	P4.00	P4.00	P04.00	P04.00	P04.00
Torque boost	P4.01	P4.01	P04.01	P04.01	P04.01
Torque boost cut-off	P4.02	P4.02	P04.02	P04.02	P04.02
V/F frequency 1	P4.03	...	P04.03	P04.03	P04.03
V/F voltage 1	P4.04	...	P04.04	P04.04	P04.04
V/F frequency 2	P4.05	...	P04.05	P04.05	P04.05
V/F voltage 2	P4.06	...	P04.06	P04.06	P04.06
V/F frequency 3	P4.07	...	P04.07	P04.07	P04.07
V/F voltage 3	P4.08	...	P04.08	P04.08	P04.08
Slip compensation limit	P4.09	P4.03	P04.09	P04.09	P04.09
Auto energy saving selection	P4.10	P4.04	P04.26	P04.26	P04.26
Low-frequency threshold of restraining oscillation	P4.11	PD.00	P04.10	P04.10	P04.10
High-frequency threshold of restraining oscillation	P4.12	PD.01	P04.11	P04.11	P04.11
Boundary of restraining oscillation	P4.13	PD.03	P04.12	P04.12	P04.12
P05 Group: Input Terminals					
HDI selection	P5.00	...	...	P05.00	P05.00
S1 Terminal function	P5.01	P5.00	P05.01	P05.01	P05.01
S2 Terminal function	P5.02	P5.01	P05.02	P05.02	P05.02
S3 Terminal function	P5.03	P5.02	P05.03	P05.03	P05.03
S4 Terminal function	P5.04	P5.03	P05.04	P05.04	P05.04
S5 Terminal function	P5.05	...	P05.05	P05.05	P05.05
S6 Terminal function	P5.06	...	...	P05.06	P05.06
S7 Terminal function	P5.07	...	...	P05.07	P05.07
HDI terminal function	P5.08	...	...	P05.09	P05.09
ON-OFF filter times	P5.09	P5.04	P05.11	P05.11	P05.11
FWD/REV control mode	P5.10	P5.05	P05.13	P05.13	P05.13

Parameter Discription	CHF100A	CHE100	GD10	GD100	GD200
UP/DOWN setting change rate	P5.11	P5.06	...	...	...
AI1 lower limit	P5.12	P5.07	P05.32	P05.32	P05.32
AI1 lower limit corresponding setting	P5.13	P5.08	P05.33	P05.33	P05.33
AI1 upper limit	P5.14	P5.09	P05.34	P05.34	P05.34
AI1 upper limit corresponding setting	P5.15	P5.10	P05.35	P05.35	P05.35
AI1 filter time constant	P5.16	P5.11	P05.36	P05.36	P05.36
AI2 lower limit	P5.17	P5.12	P05.37	P05.37	P05.37
AI2 lower limit corresponding setting	P5.18	P5.13	P05.38	P05.38	P05.38
AI2 upper limit	P5.19	P5.14	P05.39	P05.39	P05.39
AI2 upper limit corresponding setting	P5.20	P5.15	P05.40	P05.40	P05.40
AI2 filter time constant	P5.21	P5.16	P05.41	P05.41	P05.41
HDI lower limit	P5.22	...	...	P05.50	P05.50
HDI lower limit corresponding setting	P5.23	...	...	P05.51	P05.51
HDI upper limit	P5.24	...	...	P05.52	P05.52
HDI upper limit corresponding setting	P5.25	...	...	P05.53	P05.53
HDI filter time constant	P5.26	...	...	P05.54	P05.54
P06 Group: Output Terminals					
HDO selection	P6.00	...	...	...	P06.00
HDO ON-OFF output selection	P6.01	...	...	...	P06.02
Relay 1 output selection	P6.02	P6.00	P06.03	P06.03	P06.03
Relay 2 output selection	P6.03	P6.01	...	P06.04	P06.04
AO1 function selection	P6.04	P6.02	P06.14	P06.14	P06.14
AO2 function selection	P6.05	...	...	P06.15	P06.15
HDO function selection	P6.06	...	...	P06.16	P06.16
AO1 lower limit	P6.07	P6.03	P06.17	P06.17	P06.17
AO1 lower limit corresponding output	P6.08	P6.04	P06.18	P06.18	P06.18
AO1 upper limit	P6.09	P6.05	P06.19	P06.19	P06.19
AO1 upper limit corresponding output	P6.10	P6.06	P06.20	P06.20	P06.20
AO2 lower limit	P6.11	...	...	P06.22	P06.22
AO2 lower limit corresponding output	P6.12	...	...	P06.23	P06.23
AO2 upper limit	P6.13	...	...	P06.24	P06.24
AO2 upper limit corresponding output	P6.14	...	...	P06.25	P06.25
HDO lower limit	P6.15	...	...	...	P06.27
HDO lower limit corresponding output	P6.16	...	...	...	P06.28
HDO upper limit	P6.17	...	...	...	P06.29
HDO upper limit corresponding output	P6.18	...	...	...	P06.30
P07 Group: Human-Machine Interface					
User password	P7.00	P7.00	P07.00	P07.00	P07.00
Reserved	P7.01	...	...	...	...
Reserved	P7.02	...	...	...	...
QUICK/JOG function selection	P7.03	P7.03	P07.02	P07.02	P07.02
STOP/RST function selection	P7.04	P7.04	P07.04	P07.04	P07.04
Keypad display selection	P7.05	P7.05	...	...	...
Running status display selection 1	P7.06	P7.06	P07.05	P07.05	P07.05
Running status display selection 2	P7.07	...	P07.06	P07.06	P07.06

Parameter Discription	CHF100A	CHE100	GD10	GD100	GD200
Stop status display selection	P7.08	P7.07	P07.07	P07.07	P07.07
Coefficient of rotation speed	P7.09	...	P07.09	P07.09	P07.09
Coefficient of line speed	P7.10	...	P07.10	P07.10	P07.10
Rectify module temperature	P7.11	P7.08	P07.11	P07.11	P07.11
IGBT module temperature	P7.12	P7.09	P07.12	P07.12	P07.12
Software version	P7.13	P7.10	P07.13	P07.13	P07.13
Inverter rated power	P7.14	...	P07.18	P07.18	P07.18
Inverter rated current	P7.15	...	P07.20	P07.20	P07.20
Accumulated running time	P7.16	P7.11	P07.14	P07.14	P07.14
Third latest fault type	P7.17	P7.12	...	...	...
second latest fault type	P7.18	P7.13	...	...	...
latest fault type	P7.19	...	...	...	...
Output frequency at current fault	P7.20	P7.15	P07.33	P07.33	P07.33
Output current at current fault	P7.21	P7.16	P07.36	P07.36	P07.36
DC bus voltage at current fault	P7.22	P7.17	P07.37	P07.37	P07.37
Input terminal status at current fault	P7.23	P7.18	P07.39	P07.39	P07.39
Output terminal status at current fault	P7.24	P7.19	P07.40	P07.40	P07.40
P08 Group: Enhanced functions					
Acceleration time 1	P8.00	P8.00	P08.00	P08.00	P08.00
Deceleration time 1	P8.01	P8.01	P08.01	P08.01	P08.01
Acceleration time 2	P8.02	...	...	P08.02	P08.02
Deceleration time 2	P8.03	...	...	P08.03	P08.03
Acceleration time 3	P8.04	...	...	P08.04	P08.04
Deceleration time 3	P8.05	...	...	P08.05	P08.05
Jog reference	P8.06	P8.02	P08.06	P08.06	P08.06
Jog acceleration time	P8.07	P8.03	P08.07	P08.07	P08.07
Jog deceleration time	P8.08	P8.04	P08.08	P08.08	P08.08
Skip frequency 1	P8.09	P8.05	...	...	...
Skip frequency 2	P8.10	...	...	...	...
Skip frequency bandwidth	P8.11	P8.06	...	...	...
Traverse amplitude	P8.12	P8.07	P08.15	P08.15	P08.15
Jitter frequency	P8.13	P8.08	P08.16	P08.16	P08.16
Rise time of traverse	P8.14	P8.09	P08.17	P08.17	P08.17
Fall time of traverse	P8.15	P8.10	P08.18	P08.18	P08.18
Auto reset times	P8.16	P8.11	...	...	...
Reset interval	P8.17	P8.12	...	...	...
Preset count value	P8.18	...	P08.25	P08.25	P08.25
Specified count value	P8.19	...	P08.26	P08.26	P08.26
Preset running time	P8.20	...	P08.27	P08.27	P08.27
FDT level	P8.21	P8.13	P08.32	P08.32	P08.32
FDT lag	P8.22	P8.14	P08.33	P08.33	P08.33
Frequency arrive detecting range	P8.23	P8.15	P08.36	P08.36	P08.36
Droop control	P8.24	...	...	...	...
Brake threshold voltage	P8.25	P8.16	...	...	...
cooling fan control	P8.26	...	...	...	...

Parameter Discription	CHF100A	CHE100	GD10	GD100	GD200
Restrain oscillation	P8.27	PD.04	...	...	...
PMW mode	P8.28	PD.05	P08.40	P08.40	P08.40
P09 Group: PID control					
PID preset source selection	P9.00	P9.00	P09.00	P09.00	P09.00
Keypad PID preset	P9.01	P9.01	P09.01	P09.01	P09.01
PID feedback source selection	P9.02	P9.02	P09.02	P09.02	P09.02
PID output characteristic	P9.03	P9.03	P09.03	P09.03	P09.03
Proportional gain (Kp)	P9.04	P9.04	P09.04	P09.04	P09.04
Integral time (Ti)	P9.05	P9.05	P09.05	P09.05	P09.05
Differential time (Td)	P9.06	P9.06	P09.06	P09.06	P09.06
Sampling cycle (T)	P9.07	P9.07	P09.07	P09.07	P09.07
Bias limit	P9.08	P9.08	P09.08	P09.08	P09.08
Feedback lost detecting value	P9.09	P9.09	P09.11	P09.11	P09.11
Feedback lost detecting time	P9.10	P9.10	P09.12	P09.12	P09.12
P10 Group: Simple PLC and multi-step speed control					
Simple PLC mode	PA.00	...	...	P10.00	P10.00
Simple PLC status saving after power off	PA.01	...	...	P10.01	P10.01
Multi-step speed 0	PA.02	PA.00	P10.02	P10.02	P10.02
0th step runnig time	PA.03	...	...	P10.03	P10.03
Multi-step speed 1	PA.04	PA.01	P10.04	P10.04	P10.04
1th step runnig time	PA.05	...	...	P10.05	P10.05
Multi-step speed 2	PA.06	PA.02	P10.06	P10.06	P10.06
2th step runnig time	PA.07	...	...	P10.07	P10.07
Multi-step speed 3	PA.08	PA.03	P10.08	P10.08	P10.08
3th step runnig time	PA.09	...	...	P10.09	P10.09
Multi-step speed 4	PA.10	PA.04	P10.10	P10.10	P10.10
4th step runnig time	PA.11	...	...	P10.11	P10.11
Multi-step speed 5	PA.12	PA.05	P10.12	P10.12	P10.12
5th step runnig time	PA.13	...	...	P10.13	P10.13
Multi-step speed 6	PA.14	PA.06	P10.14	P10.14	P10.14
6th step runnig time	PA.15	...	...	P10.15	P10.15
Multi-step speed 7	PA.16	PA.07	P10.16	P10.16	P10.16
7th step runnig time	PA.17	...	...	P10.17	P10.17
Multi-step speed 8	PA.18	...	P10.18	P10.18	P10.18
8th step runnig time	PA.19	...	...	P10.19	P10.19
Multi-step speed 9	PA.20	...	P10.20	P10.20	P10.20
9th step runnig time	PA.21	...	...	P10.21	P10.21
Multi-step speed 10	PA.22	...	P10.22	P10.22	P10.22
10th step runnig time	PA.23	...	...	P10.23	P10.23
Multi-step speed 11	PA.24	...	P10.24	P10.24	P10.24
11th step runnig time	PA.25	...	...	P10.25	P10.25
Multi-step speed 12	PA.26	...	P10.26	P10.26	P10.26
12th step runnig time	PA.27	...	...	P10.27	P10.27
Multi-step speed 13	PA.28	...	P10.28	P10.28	P10.28
13th step runnig time	PA.29	...	...	P10.29	P10.29

Parameter Discription	CHF100A	CHE100	GD10	GD100	GD200
Multi-step speed 14	PA.30	...	P10.30	P10.30	P10.30
14th step runnig time	PA.31	...	...	P10.31	P10.31
Multi-step speed 15	PA.32	...	P10.32	P10.32	P10.32
15th step runnig time	PA.33	...	...	P10.33	P10.33
ACC/DEC time selection for step 0-7	PA.34	...	...	P10.34	P10.34
ACC/DEC time selection for step 8-15	PA.35	...	...	P10.35	P10.35
Simple PLC restart selection	PA.36	...	...	P10.36	P10.36
Time unit	PA.37	...	...	P10.37	P10.37
P11 Group: Protective parameters					
Input phase-failure protection	PB.00	...	P11.00	P11.00	P11.00
Output phase-failure protection	PB.01	...	...	...	...
Motor overload protection	PB.02	PB.00	P02.26	P02.26	P02.26
Motor overload protection current	PB.03	PB.01	P02.27	P02.27	P02.27
Threshold of trip-free	PB.04	PB.02	...	...	...
Decrease rate of trip-free	PB.05	PB.03	...	...	...
Over-voltage stall protection	PB.06	PB.04	P11.03	P11.03	P11.03
Over-voltage stall protection point	PB.07	PB.05	P11.04	P11.04	P11.04
Auto current limiting threshold	PB.08	PB.06	P11.06	P11.06	P11.06
Frequency decrease rate when current limiting	PB.09	PB.07	P11.07	P11.07	P11.07
Auto current limiting selection	PB.10	...	P11.05	P11.05	P11.05
Selection of overtorque (OL3)	PB.11	...	P11.08	P11.08	P11.08
Detection level of overtorque	PB.12	...	P11.09	P11.09	P11.09
Detection time of overtorque	PB.13	...	P11.10	P11.10	P11.10
P14 Group: Serial communication					
Local address	PC.00	PC.00	P14.00	P14.00	P14.00
Baud rate selection	PC.01	PC.01	P14.01	P14.01	P14.01
Data format	PC.02	PC.02	P14.02	P14.02	P14.02
Communication delay time	PC.03	PC.03	P14.03	P14.03	P14.03
Communication timeout delay	PC.04	PC.04	P14.04	P14.04	P14.04
Communication error action	PC.05	PC.05	P14.05	P14.05	P14.05
Response action	PC.06	PC.06	P14.06	P14.06	P14.06
Reserved	PD.00	...	...	...	...
Reserved	PD.01	...	...	...	...
Reserved	PD.02	...	...	...	...
Reserved	PD.03	...	...	...	...
Reserved	PD.04	...	...	...	...
Reserved	PD.05	...	...	...	...
Reserved	PD.06	...	...	...	...
Reserved	PD.07	...	...	...	...
Reserved	PD.08	...	...	...	...
Reserved	PD.09	...	...	...	...
Factory password	PE.00	PE.00	...	...	...