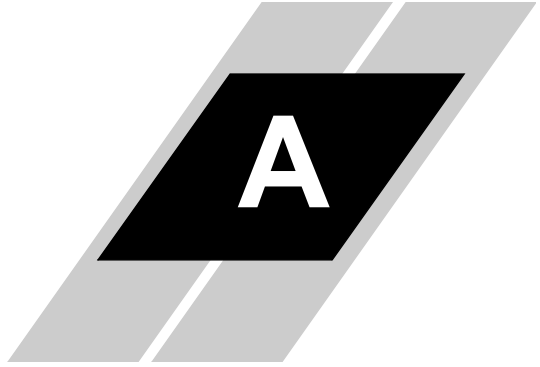


SJ300 / L300P Program Menu List



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SJ300 / L300P Inverter Program Menu List

This appendix contains the Program Mode menu tree for SJ300 / L300P inverters. The listing shows how parameters are organized and how to access them. Parameters with an asterisk (*) are available only on the SJ300 (not the L300P).

Monitor Vars



- ▶ Var 1.1
- ▼ Var 1.2
- ▼ Var 1.3
- ▼ Var 2

Parameters

▶ Initial

- ▶ Initialize Mode B084
- ▼ Country Code B085
- ▼ Reinitialize Drive
- ▼ Debug Mode Sel C091
- ▼ Run Key Routing F004

▼ Base Settings

- ▶ Freq Set Method A001
- ▼ Run Set Method A002
- ▼ Base Frequency C03
- ▼ 2nd Base Freq A203
- ▼ 3rd Base Freq A303 *
- ▼ Max Frequency A004
- ▼ 2nd Max Freq A204
- ▼ 3rd Max Freq A304 *
- ▼ AVR Selection A081
- ▼ Motor Voltage A082
- ▼ Carrier Freq B083

▼ Speed/Jogging

- ▶ Multi-Speed Sel A019
- ▼ Multi-Speed 0 A020
- ▼ 2nd Multi-Spd 0 A220
- ▼ 3rd Multi-Spd 0 A320
- ▼ Multi-Speed 1 A021
- ▼ Multi-Speed 2 A022
- ▼ Multi-Speed 3 A023
- ▼ Multi-Speed 4 A024
- ▼ Multi-Speed 5 A025

▼ V/F Character

▼ DC Braking

- ▼ Multi-Speed 6 A026
- ▼ Multi-Speed 7 A027
- ▼ Multi-Speed 8 A028
- ▼ Multi-Speed 9 A029
- ▼ Multi-Speed 10 A030
- ▼ Multi-Speed 11 A031
- ▼ Multi-Speed 12 A032
- ▼ Multi-Speed 13 A033
- ▼ Multi-Speed 14 A034
- ▼ Multi-Speed 15 A035
- ▼ Jogging Freq A038
- ▼ Jogging Mode A039
- ▶ Torq Boost Sel" A041
- ▼ 2nd Torq Boost" A241
- ▼ Man Torq Boost" A042
- ▼ 2nd Man Boost", A242
- ▼ 3rd Man Boost", A342 *
- ▼ Man Boost Point A043
- ▼ 2nd Man Point", A243
- ▼ 3rd Man Point", A343
- ▼ 1st Ctrl Method A044
- ▼ 2nd Ctrl Method A244
- ▼ 3rd Ctrl Method A344 *
- ▼ Outpt Volt Gain A045
- ▶ DCB Selection A051
- ▼ DCB Frequency A052
- ▼ DCB Delay Time A053
- ▼ DCB Power A054
- ▼ DCB Time A055
- ▼ DCB Edge/Level A056
- ▼ DCB Pwr Strt T A057
- ▼ DCB Tim Strt T A058
- ▼ DCB Carrier Frq A059

▼ Braking Ctrl

▶ Brake Ctrl Sel	B120 *
▼ Wait Tm Release	B121 *
▼ Wait Time Accel	B122 *
▼ Wait Time Stop	B123 *
▼ Wait Time Signl	B124 *
▼ Release Freq	B125 *
▼ Release Current	B126 *

▼ PID Control

▶ PID Selection	A071
▼ PID P Gain	A072
▼ PID I Gain	A073
▼ PID D Gain	A074
▼ PID Scale	A075
▼ PID Feedbak Sel	A076
▼ PID Deviation	C044

▼ BRD

▶ BRD Use Rate	B090
▼ BRD Select	B095
▼ BRD On Level	B096

▼ Operation

▶ Oper Mode Sel	A085
▼ Energy-Save Adj	A086
▼ 1st 2-Stage Adj	A094
▼ 2nd 2-Stage Adj	A294
▼ Start Reduced V	B036
▼ Start Freq Adj	B082
▼ Up/Down Select	C101
▼ Reset Selection	C102
▼ Reset Frq Match	C103
▼ Running Direct.	F004

▼ Free V/F

- ▶ Free V/F Freq 1 B100
- ▼ Free V/F Volt 1 B101
- ▼ Free V/F Freq 2 B102
- ▼ Free V/F Volt 2 B103
- ▼ Free V/F Freq 3 B104
- ▼ Free V/F Volt 3 B105
- ▼ Free V/F Freq 4 B106
- ▼ Free V/F Volt 4 B107
- ▼ Free V/F Freq 5 B108
- ▼ Free V/F Volt 5 B109
- ▼ Free V/F Freq 6 B110
- ▼ Free V/F Volt 6 B111
- ▼ Free V/F Freq 7 B112
- ▼ Free V/F Volt 7 B113

▼ Accel

- ▶ 1st Accel Time F002
- ▼ 2nd Accel Time F202
- ▼ 3rd Accel Time F302 *
- ▼ 1st Accel Time2 A092
- ▼ 2nd Accel Time2 A292
- ▼ 3rd Accel Time2 A392 *
- ▼ 1st Acc Freq 2 A095
- ▼ 2nd Acc Freq 2 A295
- ▼ Accel Pattern A097
- ▼ Acc Curve Const A131

▼ Decel

- ▶ 1st Decel Time F003
- ▼ 2nd Decel Time F203
- ▼ 3rd Decel Time F303 *
- ▼ 1st Decel Time2 A093
- ▼ 2nd Decel Time2 A293
- ▼ 3rd Decel Time2 A393 *
- ▼ 1st Dec Freq 2 A096
- ▼ 2nd Dec Freq 2 A296
- ▼ Decel Pattern A098
- ▼ Dec Curve Const A132

▼ Protection

▶ E-Thermal

▶ E-Therm Level	B012
▼ 2nd E-Thm Level	B212
▼ 3rd E-Thm Level	B312 *
▼ 1st E-Thm Char	B013
▼ 2nd E-Thm Char	B213
▼ 3rd E-Thm Char	B313 *
▼ E-Thm Freq 1	B015
▼ E-Thm Current 1	B016
▼ E-Thm Freq 2	B017
▼ E-Thm Current 2	B018
▼ E-Thm Freq 3	B019
▼ E-Thm Current 3	B020
▼ Thermal Warning	C061

▼ Overload

▶ OLoad Method	B021
▼ OLoad Level	B022
▼ OLoad Const	B023
▼ OLoad Method 2	B024
▼ OLoad Level 2	B025
▼ OLoad Const 2	B026
▼ Adv Notice Mode	C040
▼ Adv Level OL	C041
▼ Adv Level OL2	C111 *

▼ Frequency

▶ 1st Frq Up Lmt	A061
▼ 2nd Frq Up Lmt	A261
▼ 1st Frq Lwr Lmt	A062
▼ 2nd Frq Lwr Lmt	A262
▼ Jump Freq 1	A063
▼ Jump Width 1	A064
▼ Jump Freq 2	A065
▼ Jump Width 2	A066
▼ Jump Freq 3	A067
▼ Jump Width 3	A068
▼ Accel Stop Freq	A069
▼ Accel Stop Time	A070

		▼ IPF Restart	<ul style="list-style-type: none"> ▶ Retry Selection B001 ▼ Failure Time B002 ▼ Retry Wait Time B003 ▼ Trip During Stp B004 ▼ Retry Time Sel B005 ▼ Open-Phase Sel B006 ▼ Freq Set Match B007 ▼ N-Stop IPF Sel B050 * ▼ N-Stop Strt Vlt B051 * ▼ OV-LAD Stop Lvl B052 * ▼ IPF Decel Time B053 * ▼ IPF Decel Width B054 * ▼ Resume FRS Mode B088 ▼ Stop Mode Sel B091
		▼ Torque Limit	<ul style="list-style-type: none"> ▶ Torq Limit Sel B040 * ▼ Torq Limit1 F-D B041 * ▼ Torq Limit2 R-R B042 * ▼ Torq Limit3 R-D B043 * ▼ Torq Limit4 F-R B044 * ▼ Torq LADSTP Sel B045 *
		▼ Thermistor	<ul style="list-style-type: none"> ▶ Thermistor Sel B098 ▼ Therm Err Level B099 ▼ Thermistor Adj C085
		▼ Other	<ul style="list-style-type: none"> ▶ Dir. Restrict B035 ▼ Rev Run Prevent B046 * ▼ SW Lock Mode B031 ▼ Stop Key Enable B087 ▼ Cool Fan Ctrl B092 ▼ Debug Mode Sel C091

▼ Terminal

► Input Defs

► Input Term 1"	C001
▼ Input Term 2"	C002
▼ Input Term 3"	C003
▼ Input Term 4"	C004
▼ Input Term 5"	C005
▼ Input Term 6"	C006 *
▼ Input Term 7"	C007 *
▼ Input Term 8"	C008 *

▼ Input States

► Input 1 NO/NC	C011
▼ Input 2 NO/NC	C012
▼ Input 3 NO/NC	C013
▼ Input 4 NO/NC	C014
▼ Input 5 NO/NC	C015
▼ Input 6 NO/NC	C016 *
▼ Input 7 NO/NC	C017 *
▼ Input 8 NO/NC	C018 *
▼ Inp FWD NO/NC	C019

▼ Analog Input

► AT Term Select	A005
▼ O2 Term Select	A006
▼ O Start Freq	A011
▼ O End Freq	A012
▼ O Start Rate	A013
▼ O End Rate	A014
▼ O Start Select	A015
▼ Sampling Number	A016
▼ OI Start Freq	A101
▼ OI End Freq	A102
▼ OI Start Rate	A103
▼ OI End Rate	A104
▼ OI Start Select	A105
▼ O2 Start Freq	A111
▼ O2 End Freq	A112
▼ O2 Start Rate	A113
▼ O2 End Rate	A114

		▼ Analog Meter	▶ AM Adjustment	B080			
			▼ FM Adjustment	B081			
			▼ O Adjustment	C081			
			▼ OI Adjustment	C082			
			▼ O2 Adjustment	C083			
			▼ AM Offset Adj	C086			
			▼ AMI Adjustment	C087			
			▼ AMI Offset Adj	C088			
			▼ O Zero Adjust	C121			
			▼ OI Zero Adjust	C122			
			▼ O2 Zero Adjust	C123			
			▼ Output Defs			▶ Output Term 11	C021
						▼ Output Term 12	C022
						▼ Output Term 13	C023 *
						▼ Output Term 14	C024 *
▼ Output Term 15	C025 *						
▼ Alarm Output	C026						
▼ FM Selection	C027						
▼ AM Selection	C028						
▼ AMI Selection	C029						
▼ Output States						▶ Output 11 NO/NC	C031
			▼ Output 12 NO/NC	C032			
			▼ Output 13 NO/NC	C033 *			
			▼ Output 14 NO/NC	C034 *			
			▼ Output 15 NO/NC	C035 *			
			▼ Alarm Out NO/NC	C036			
			▼ Output Levels			▶ RNT/ONT Level	B034
▼ Accel Arv Freq	C042						
▼ Decel Arv Freq	C043						
▼ 2nd Accel Arv F	C045 *						
▼ 2nd Decel Arv F	C046 *						
▼ F-D Over Torq	C055 *						
▼ R-R Over Torq	C056 *						
▼ R-D Over Torq	C057 *						

▼ **Motor Settings**

▼ F-R Over Torq	C058 *
▼ Alarm Code Sel	C062 *
▼ 0 Speed Detect	C063 *
▶ Autotuning Sel	H001 *
▼ 1st Const Sel	H002 *
▼ 2nd Const Sel	H202 *
▼ 1st Allow Sel	H003
▼ 2nd Allow Sel	H203
▼ 1st Mtr Pol Sel	H004
▼ 2nd Mtr Pol Sel	H204
▼ 1st Speed Resp	H005 *
▼ 2nd Speed Resp	H205 *
▼ 1st Stab Factor	H006
▼ 2nd Stab Factor	H206
▼ 3rd Stab Factor	H306 *
▼ 1st Const R1	H020 *
▼ 2nd Const R1	H220 *
▼ 1st Const R2	H021 *
▼ 2nd Const R2	H221 *
▼ 1st Const L	H022 *
▼ 2nd Const L	H222 *
▼ 1st Const lo	H023 *
▼ 2nd Const lo	H223 *
▼ 1st Const J	H024 *
▼ 2nd Const J	H224 *
▼ 1st Const R1 AT	H030 *
▼ 2nd Const R1 AT	H230 *
▼ 1st Const R2 AT	H031 *
▼ 2nd Const R2 AT	H231 *
▼ 1st Const L AT	H032 *
▼ 2nd Const L AT	H232 *
▼ 1st Const lo AT	H033 *
▼ 2nd Const lo AT	H233 *
▼ 1st Const J AT	H034 *
▼ 2nd Const J AT	H234 *

▼ P/PI Switching

- ▶ 1st PI Pro Gain H050 *
- ▼ 2nd PI Pro Gain H250 *
- ▼ 1st PI Int Gain H051 *
- ▼ 2nd PI Int Gain H251 *
- ▼ 1st P Pro Gain H052 *
- ▼ 2nd P Pro Gain H252 *
- ▼ 1st 0Hz-SLV Lmt H060 *
- ▼ 2nd 0Hz-SLV Lmt H260 *
- ▼ PI Pro Gain Sw H070 *
- ▼ PI Int Gain Sw H071 *
- ▼ P Pro Gain Sw H072 *

▼ Option

- ▶ Opt 1 Err Sel P001
- ▼ Opt 2 Err Sel P002
- ▼ Feedbck Opt Sel P010 *
- ▼ Encdr Pulse Set P011 *
- ▼ Ctrl Mode Sel P012 *
- ▼ Pulse Train Sel P013 *
- ▼ Orient Stop Pos P014 *
- ▼ Orient Spd Set P015 *
- ▼ Orient Dir Sel P016 *
- ▼ Orient Comp Rng P017 *
- ▼ Orient Comp Dly P018 *
- ▼ Gear Pos Select P019 *
- ▼ Gear Numerator P020 *
- ▼ Gear Denominatr P021 *
- ▼ Pos Fwd Gain P022 *
- ▼ Pos Loop Gain P023 *
- ▼ Comp 2nd Res P025 *
- ▼ OverSpeed Level P026 *
- ▼ SpeedErr Level P027 *
- ▼ Acc/Dec Select P031
- ▼ P-Set Select P032 *
- ▼ Frq During Snap P050 *

Status

▼ Communications

- ▶ Data Command C070
- ▼ Baud Rate C071
- ▼ Address Code C072
- ▼ Data Bits C073
- ▼ Parity C074
- ▼ Stop Bits C075
- ▼ Waiting Time C078

▶ Monitor Values

- ▶ Current Freq D001
- ▼ Output Cur (A) D002
- ▼ Rotation Dir. D003
- ▼ PID Feedback D004
- ▼ Inp. Terminals D005
- ▼ Out. Terminals D006
- ▼ Freq Multiplier B086
- ▼ Scaled Freq D007
- ▼ Torque D012
- ▼ Output Voltage D013
- ▼ kW Power D014
- ▼ Accum Run Time D016
- ▼ Power On Time D017
- ▼ Input Voltage
- ▼ P-N Voltage

▼ Operation Status

- ▶ Status Byte 1
- ▼ Status Byte 2
- ▼ Status Byte 3
- ▼ Status Byte 4

▼ Frequency Status

- ▶ VM Freq Set
- ▼ TRM Freq Set
- ▼ OPE Freq Set
- ▼ OPT1 Freq Set
- ▼ OPT2 Freq Set
- ▼ RS485 Freq Set

Trips



- ▶ # of Trips D080
- ▼ Trip 1 Err Code D081
- ▼ Trip 1 Status D081
- ▼ Freq at Trip 1 D081
- ▼ I at Trip 1 D081
- ▼ PN-V at Trip 1 D081
- ▼ Run-Time Trip 1 D081
- ▼ Pwr-Time Trip 1 D081
- ▼ Trip 2 Err Code D082
- ▼ Trip 2 Status D082
- ▼ Freq at Trip 2 D082
- ▼ I at Trip 2 D082
- ▼ PN-V at Trip 2 D082
- ▼ Run-Time Trip 2 D082
- ▼ Pwr-Time Trip 2 D082
- ▼ Trip 3 Err Code D083
- ▼ Trip 3 Status D083
- ▼ Freq at Trip 3 D083
- ▼ I at Trip 3 D083
- ▼ PN-V at Trip 3 D083
- ▼ Run-Time Trip 3 D083
- ▼ Pwr-Time Trip 3 D083
- ▼ Trip 4 Err Code D084
- ▼ Trip 4 Status D084
- ▼ Freq at Trip 4 D084
- ▼ I at Trip 4 D084
- ▼ PN-V at Trip 4 D084
- ▼ Run-Time Trip 4 D084
- ▼ Pwr-Time Trip 4 D084
- ▼ Trip 5 Err Code D085
- ▼ Trip 5 Status D085
- ▼ Freq at Trip 5 D085
- ▼ I at Trip 5 D085
- ▼ PN-V at Trip 5 D085
- ▼ Run-Time Trip 5 D085

Network Control	➤		<ul style="list-style-type: none"> ▼ Pwr-Time Trip 5 D085 ▼ Trip 6 Err Code D086 ▼ Trip 6 Status D086 ▼ Freq at Trip 6 D086 ▼ I at Trip 6 D086 ▼ PN-V at Trip 6 D086 ▼ Run-Time Trip 6 D086 ▼ Pwr-Time Trip 6 D086
Software Lock	➤		<ul style="list-style-type: none"> ➤ Control Method ▼ Host Watchdog ▼ Timeout Action
Debug Mode	➤		<ul style="list-style-type: none"> ➤ Operator Access ▼ SW Lock Mode B031
Edit Mode	<ul style="list-style-type: none"> ➤ Inverter Port Cfg ▼ Network Port Cfg 		<ul style="list-style-type: none"> ➤ (Address - Data) Press Esc/Cancel to exit Debug Mode ➤ Inverter Type ➤ Network Protocol ▼ Network Address ▼ Port Type ▼ Baud Rate ▼ Data bits ▼ Parity ▼ Stop Bits ▼ Flow Control ▼ RTS Delay ▼ Master/Slave ▼ Max Gap Time ▼ Stop Key Action

▼ **Store Configuration**

▼ **Transfer Mode**

▼ **Run Mode**

▼ **Diagnostics Mode**

▼ **DOP Mode**

- ▶ Configuration stored
- ▶ Waiting for PC...
Press the Mode key to return to the Edit Menu.
- ▶ Exits Edit Mode and Resets SC-OPE
- ▶ Tests port and keypad.
Hold Mode key to exit.
- ▶ Hitachi Digital Operator Mode

