

Chapter 4 User Constants

There are four “Macro Function” under the main menu of the “Stackable Inverter” and they are “Operation”, “Initialize”, “Programming” and “Modified Constants”. The functions and their contents are as below.

Function	Content
Operation	“Stackable Inverter” can monitor AC IN voltage and current, AC OUT voltage and current, battery voltage, battery current and ripple voltage in charging and discharging battery and other extension modules status. This is U (Monitor Group) constants.
Initialize	Operation Condition Setting Group A (Initialize) Group: Multi-language setting, constants initialization setting and constants modification allowed/prohibited setting.
Programming	Constant groups to program (modify) all the constants: B (General) Group, C (INVERTER) Group, D (AC CHARGER) Group, E (Aux-relay) Group, F (Solar charger) Group, G (DC to DC charger) Group, H (DC load control) Group and O (Operator) Group
Modified Constants	Operating the read-out and modification of the constants group setting which are different from initial setting. Users can program and modify constants

Operation of “Macro Function”

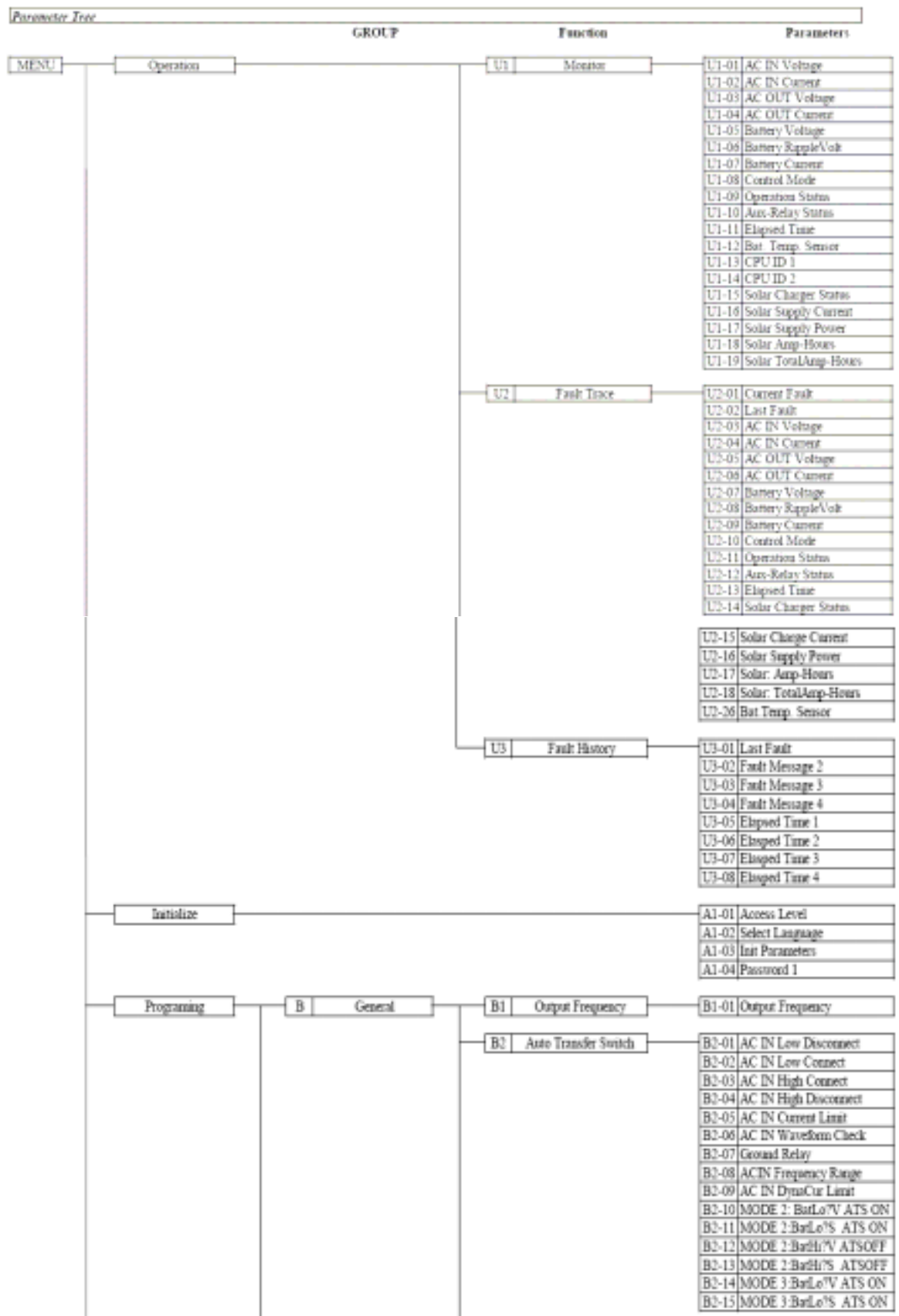
On any display screen, pressing DSPL key could have the effect just like ESC key to enable the display screen go back to previous any of four “Macro Function”

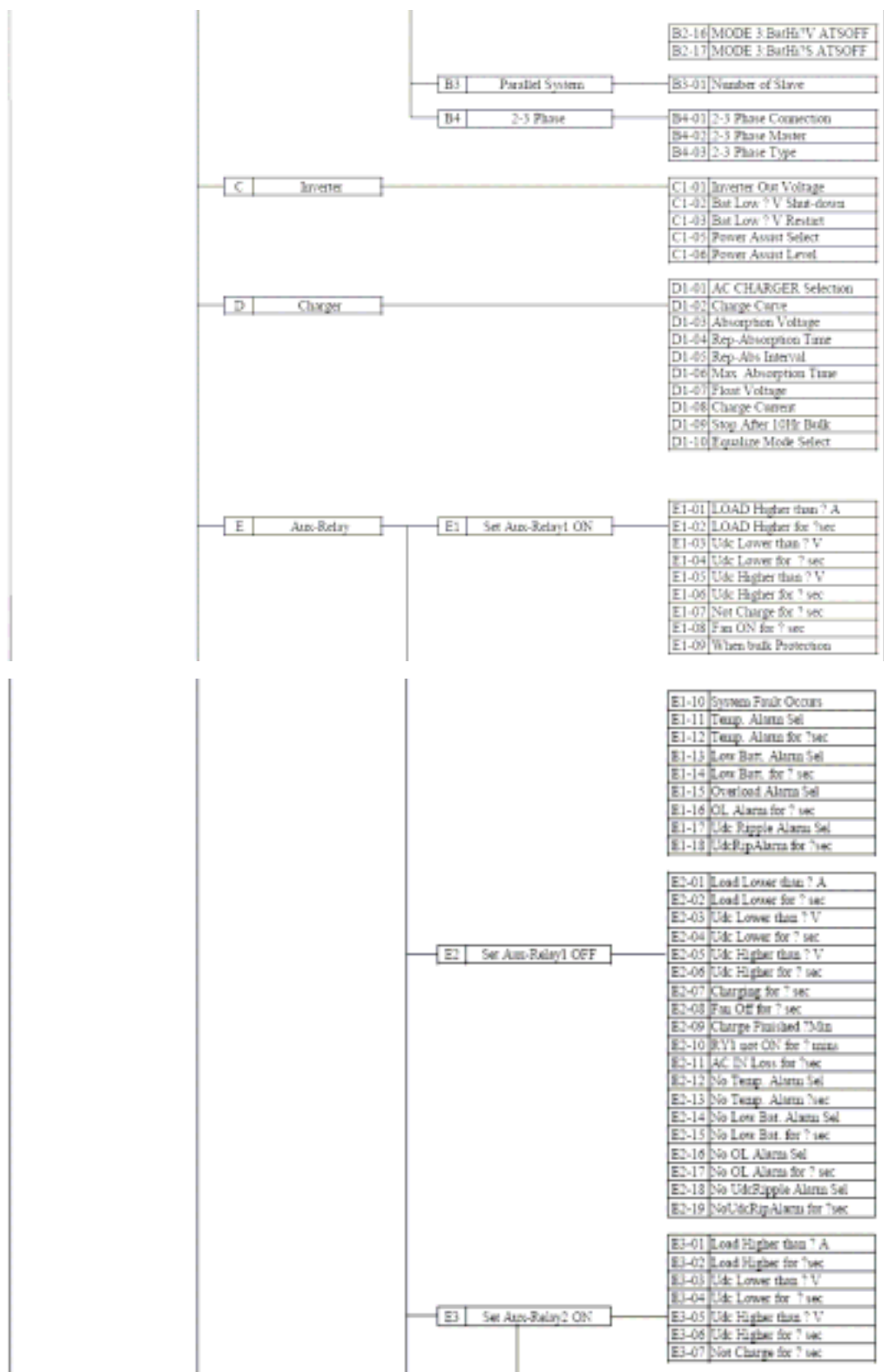
<p>*** Main Menu *** XXXXXXXX</p>

(XXXXXXXX can be either Operation or Initialize or Programming or Modified Constants.)

And continue to press DSPL key to select “Macro Function”

4.1 The following is the structure of user constants.





E3-08	Fan On for ? sec
E3-09	When bulk protection
E3-10	System Fault Occurs
E3-11	Temp. Alarm Sel
E3-12	Temp. Alarm for ?sec
E3-13	Low Batt. Alarm Sel
E3-14	Low Batt. for ? sec
E3-15	Overload Alarm Sel
E3-16	OL Alarm for ? sec
E3-17	Udc Ripple Alarm Sel
E3-18	UdcRipAlarm for ?sec

E4-01	Load Lower than ? A
E4-02	Load Lower for ? sec
E4-03	Udc Lower than ? V
E4-04	Udc Lower for ? sec
E4-05	Udc Higher than ? V
E4-06	Udc Higher for ? sec
E4-07	Charging for ? sec
E4-08	Fan Off for ? sec
E4-09	Charge Finished ?Min
E4-10	RY2 not ON for ?min
E4-11	AC IN Loss for ?sec
E4-12	No Temp. Alarm Sel
E4-13	No Temp. Alarm for ?sec
E4-14	No Low Bat. Alarm Sel
E4-15	No Low Bat. for ? sec
E4-16	No OL Alarm Sel
E4-17	No OL Alarm for ? sec
E4-18	No UdcRipple Alarm Sel
E4-19	No UdcRipAlarm for ?sec

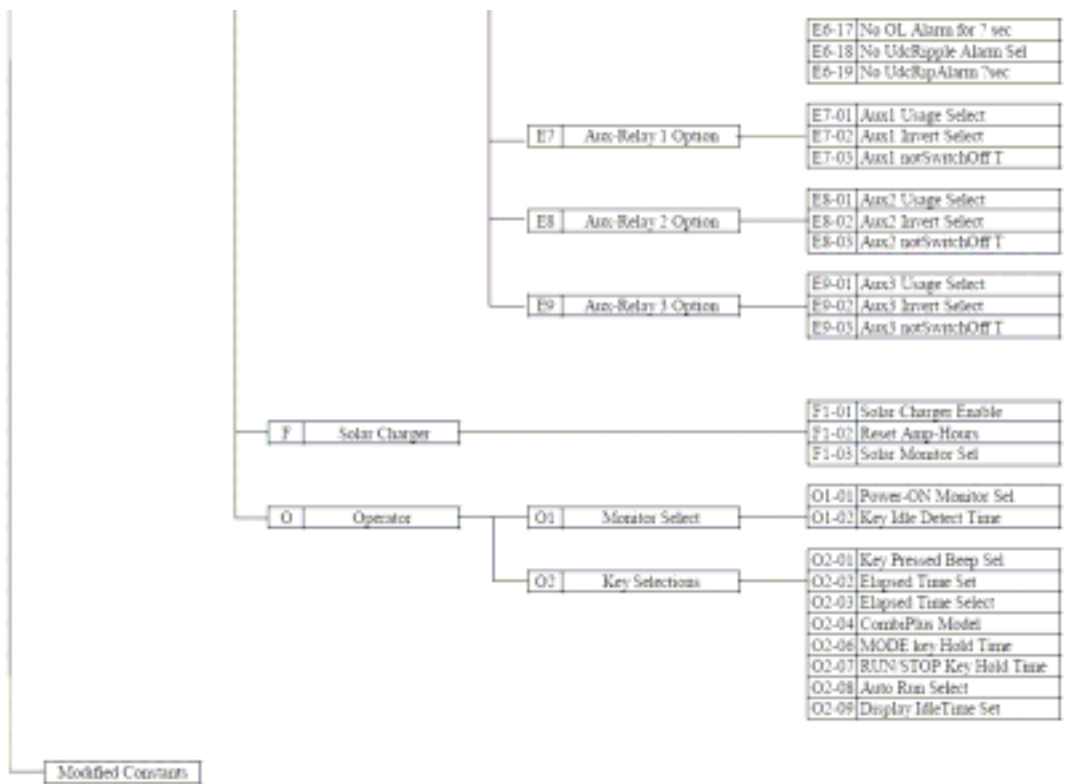
E4 Set Aux-Relay2 OFF

E5-01	Load Higher than ? A
E5-02	Load Higher for ?sec
E5-03	Udc Lower than ? V
E5-04	Udc Lower for ? sec
E5-05	Udc Higher than ? V
E5-06	Udc Higher for ? sec
E5-07	Net Charge for ? sec
E5-08	Fan ON for ? sec
E5-09	When bulk protection
E5-10	System Fault Occurs
E5-11	Temp. Alarm Sel
E5-12	Temp. Alarm for ?sec
E5-13	Low Batt. Alarm Sel
E5-14	Low Batt. for ? sec
E5-15	Overload Alarm Sel
E5-16	OL Alarm for ? sec
E5-17	Udc Ripple Alarm Sel
E5-18	UdcRipAlarm for ?sec

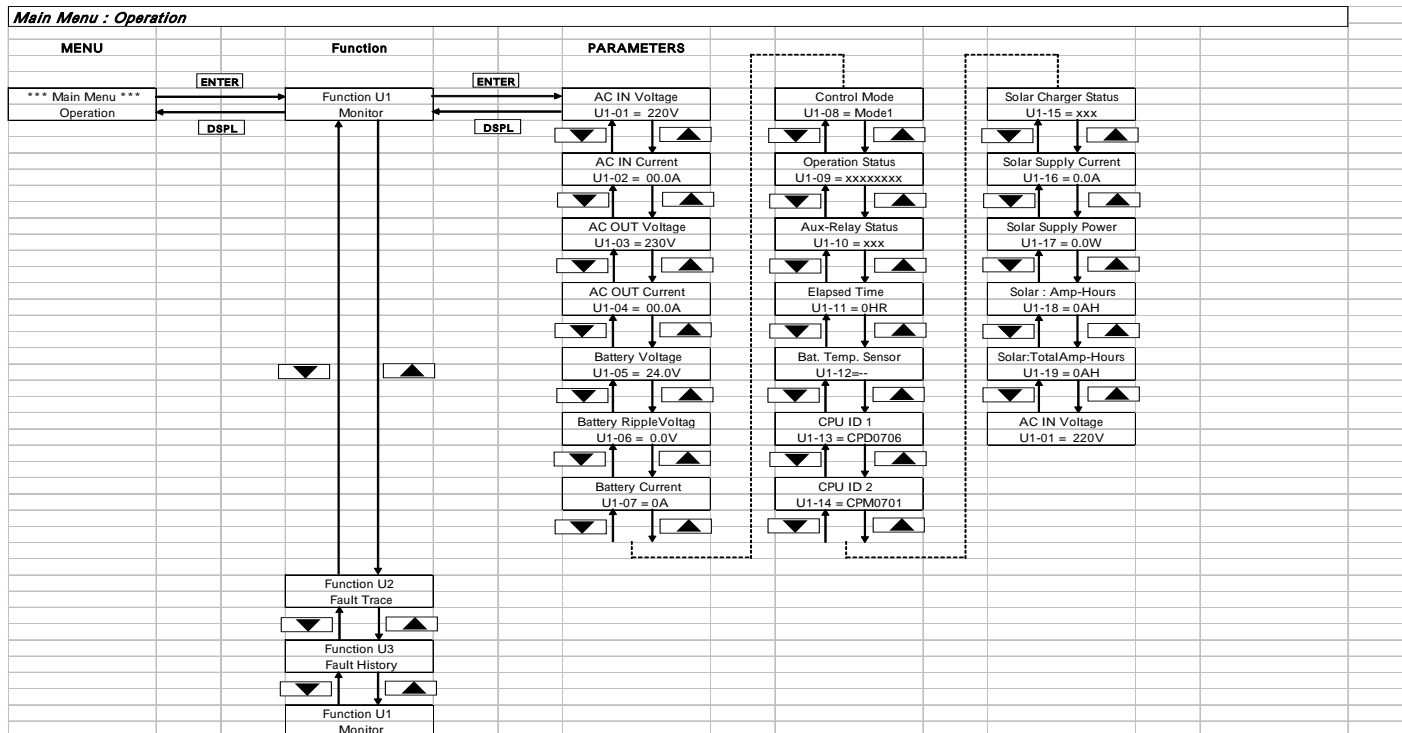
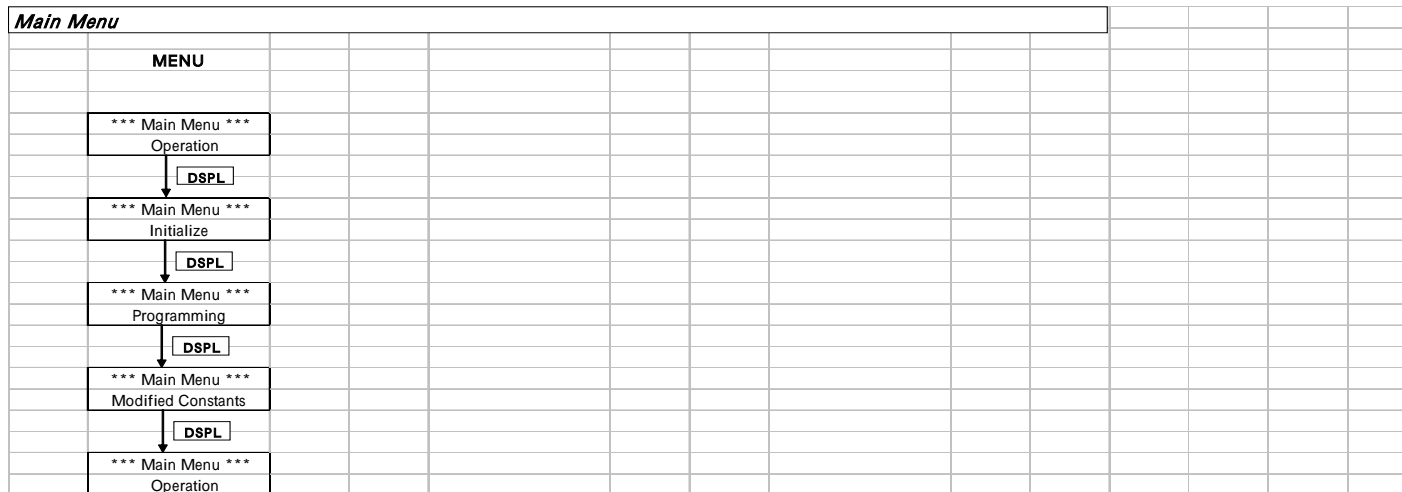
E5 Set Aux-Relay3 ON

E6-01	Load Lower than ? A
E6-02	Load Lower for ? sec
E6-03	Udc Lower than ? V
E6-04	Udc Lower for ? sec
E6-05	Udc Higher than ? V
E6-06	Udc Higher for ? sec
E6-07	Charging for ? sec
E6-08	Fan OFF for ? sec
E6-09	Charge Finished ?Min
E6-10	RY3 not ON for ?min
E6-11	AC IN loss for ?sec
E6-12	No Temp. Alarm Sel
E6-13	No Temp. Alarm ?sec
E6-14	No Low Bat. Alarm Sel
E6-15	No Low Bat. for ? sec
E6-16	No OL Alarm Sel

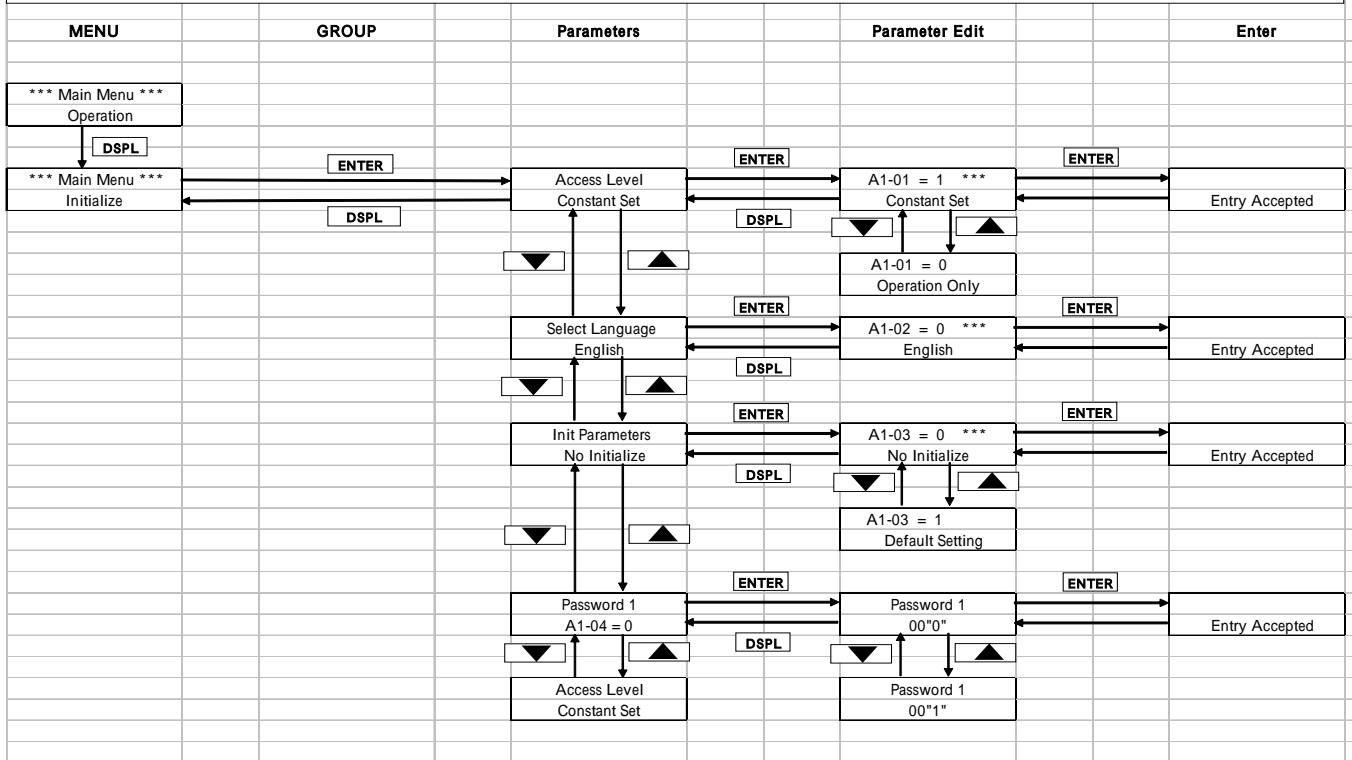
E6 Set Aux-Relay3 OFF



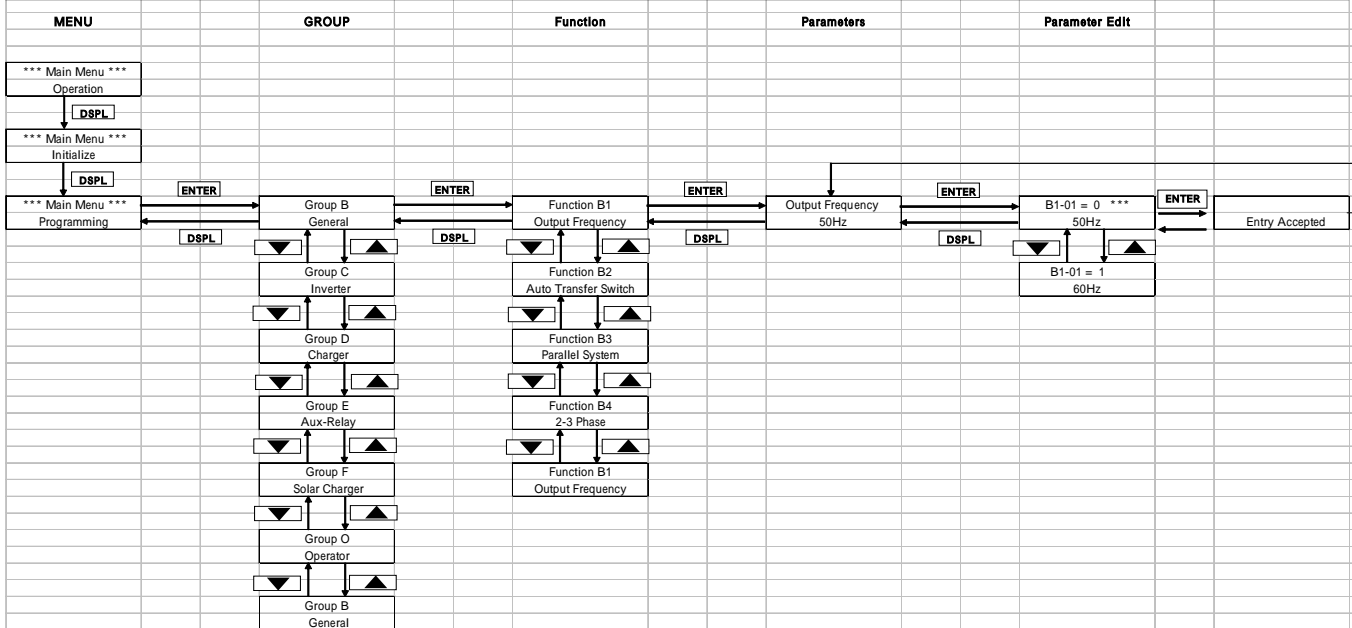
4.2 The following is the operation flow.



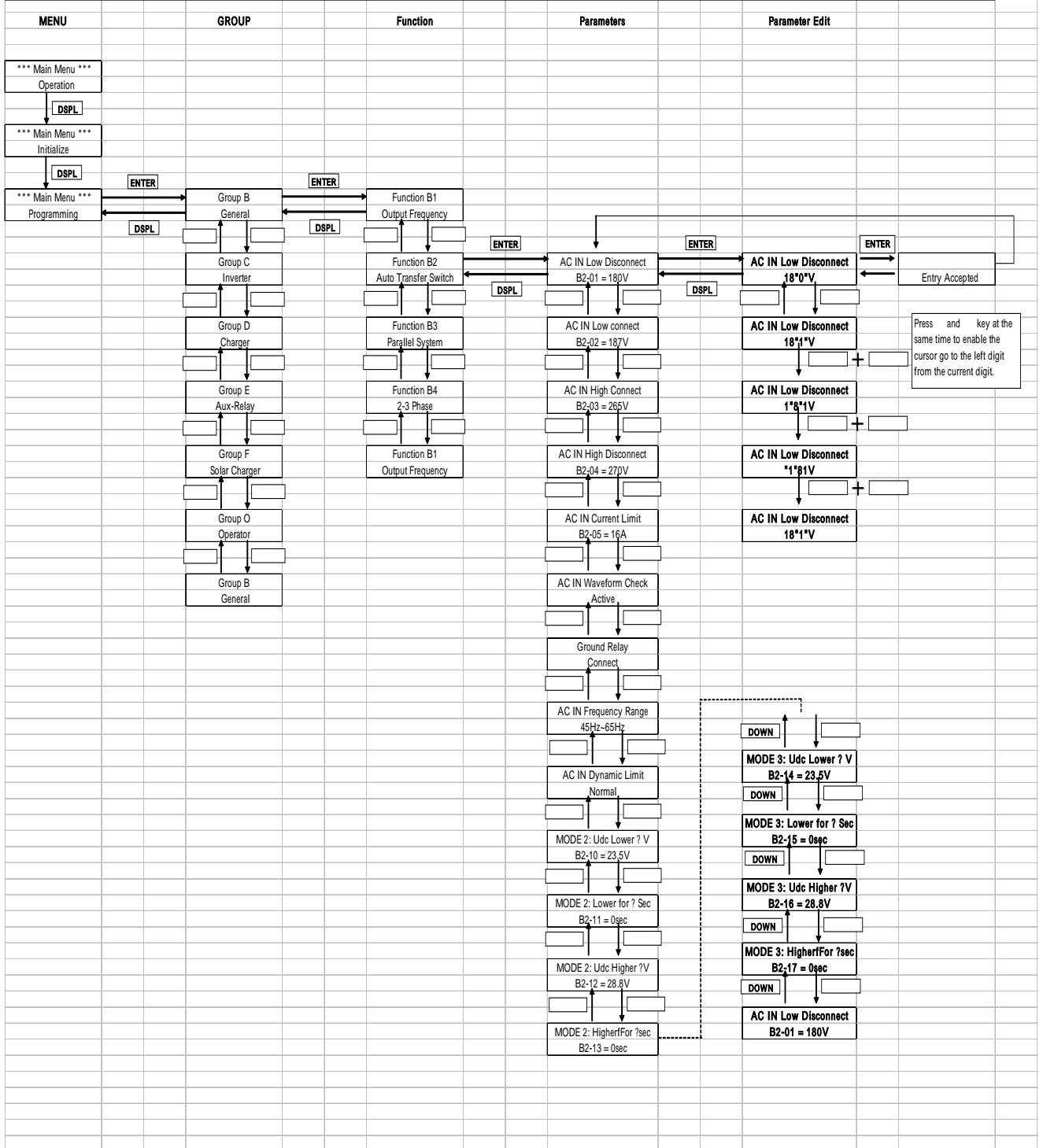
Main Menu : Initialize



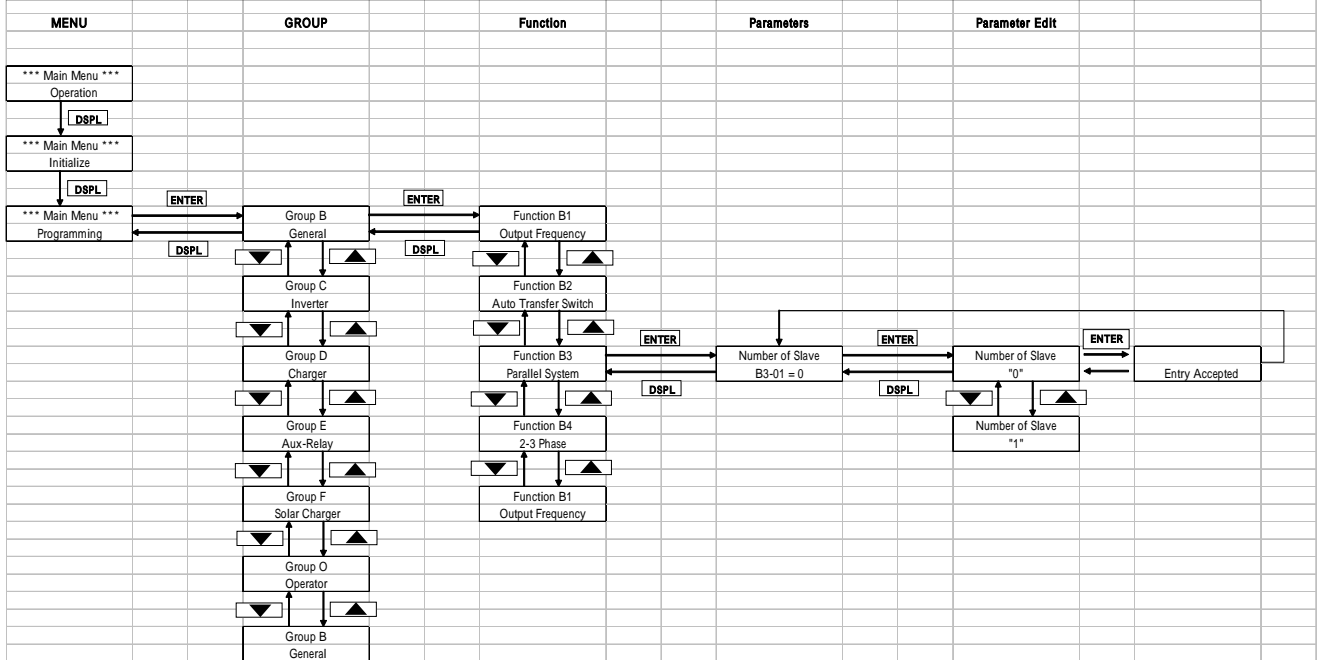
Main Menu : Programing - Function B1 - B1-01



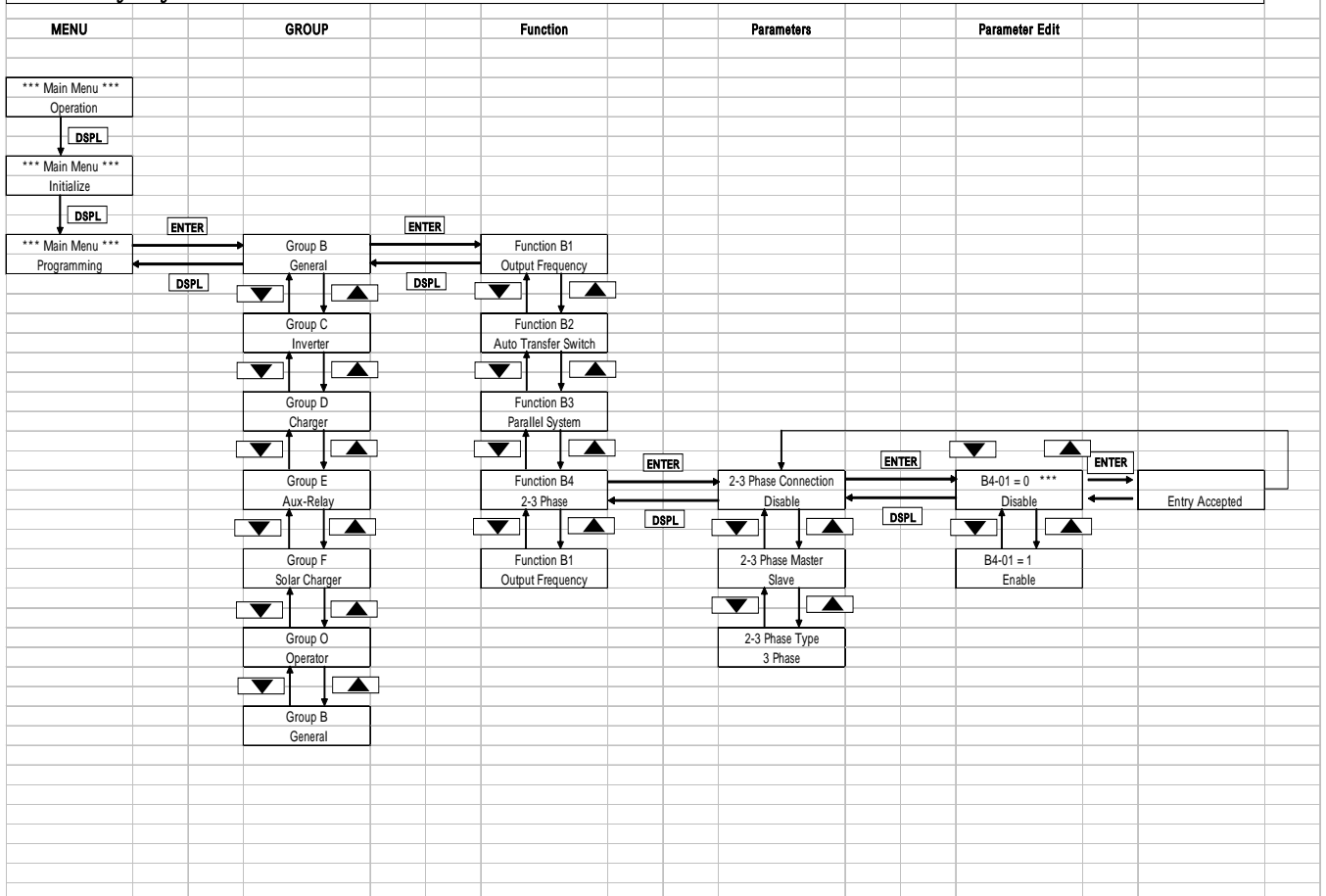
Main Menu : Programing - Function B2 - B2-01



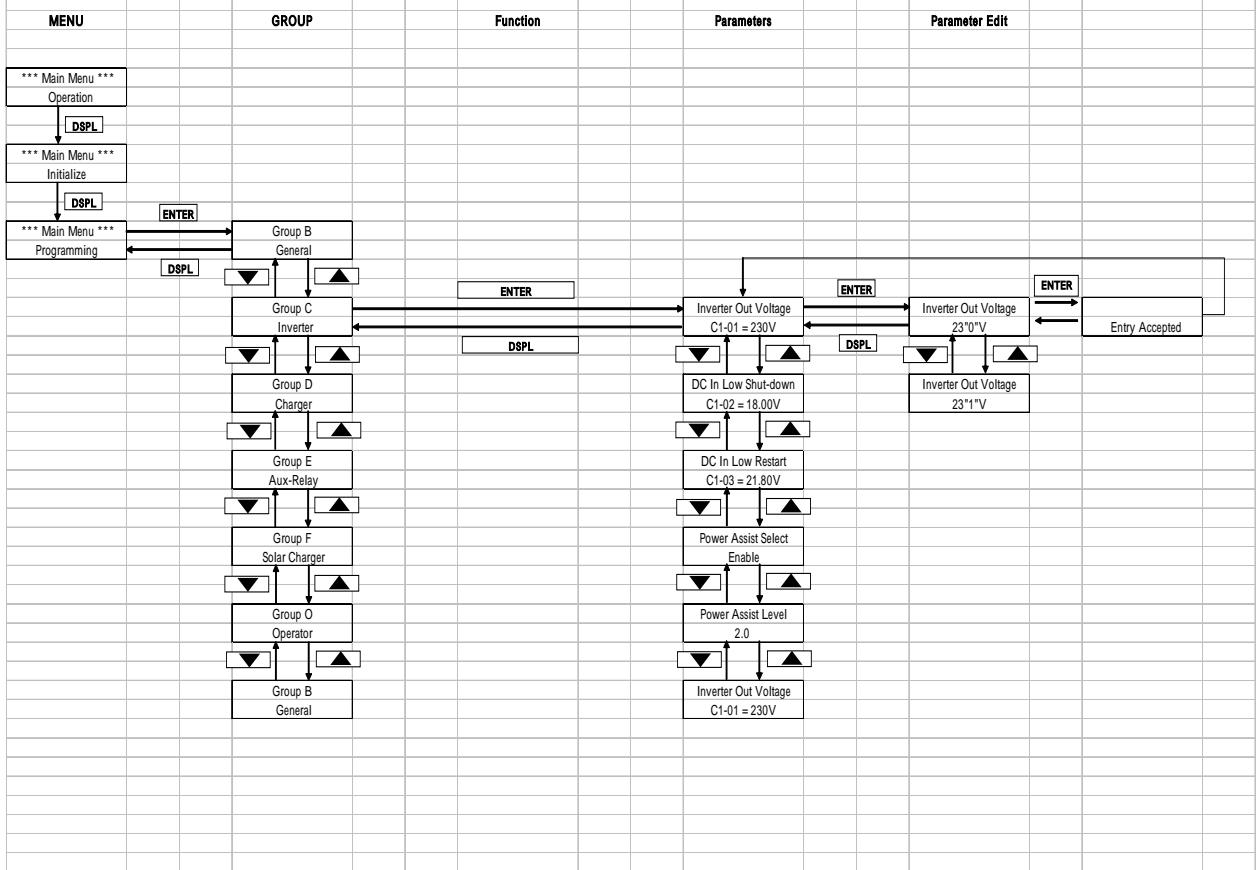
Main Menu : Programing - Function B3 - B3-01



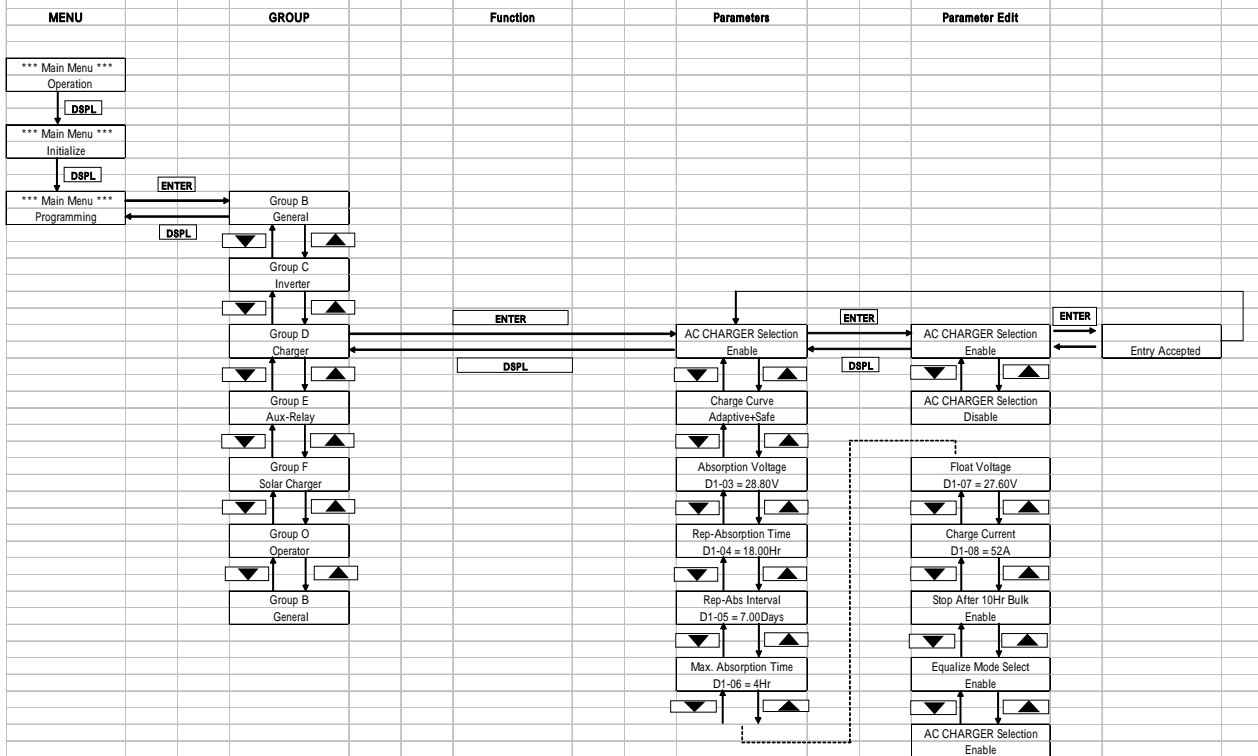
Main Menu : Programing - Function B4 - B4-01



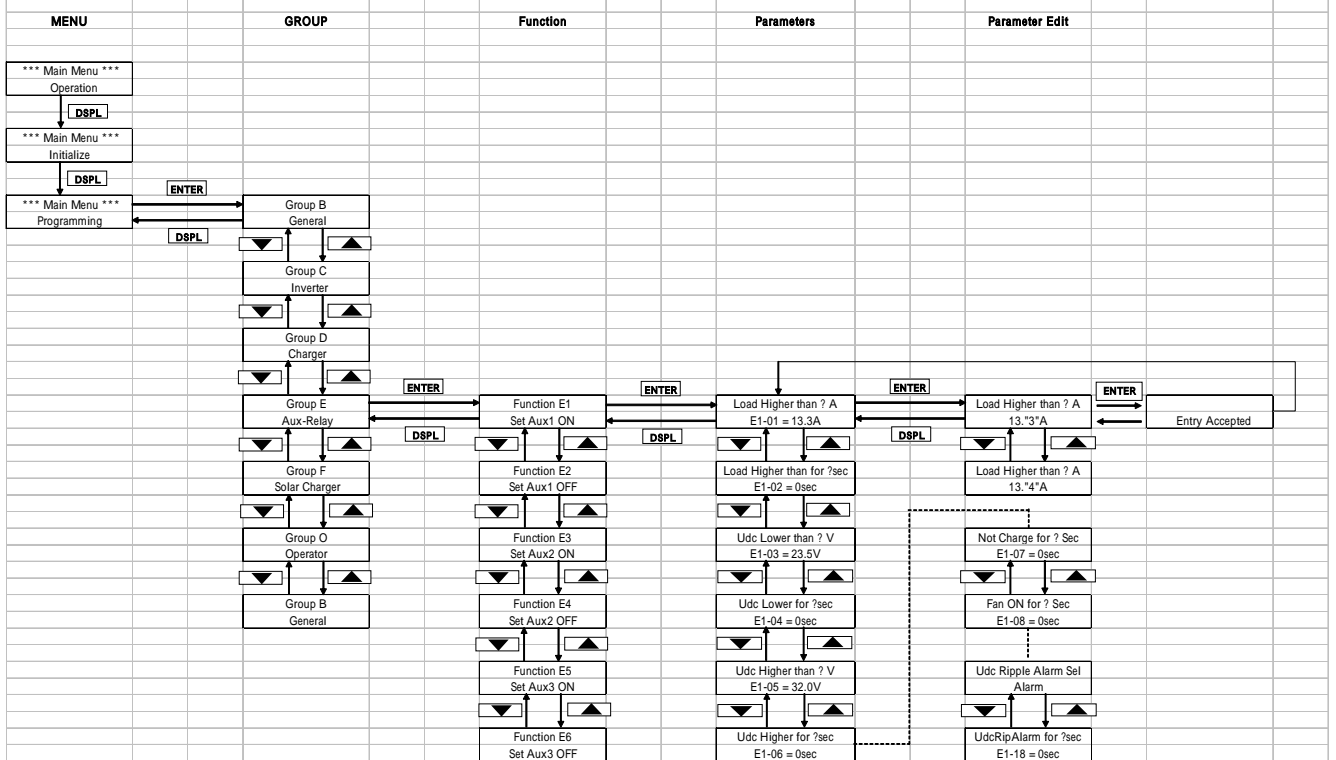
Main Menu : Programing - Function C1 - C1-01



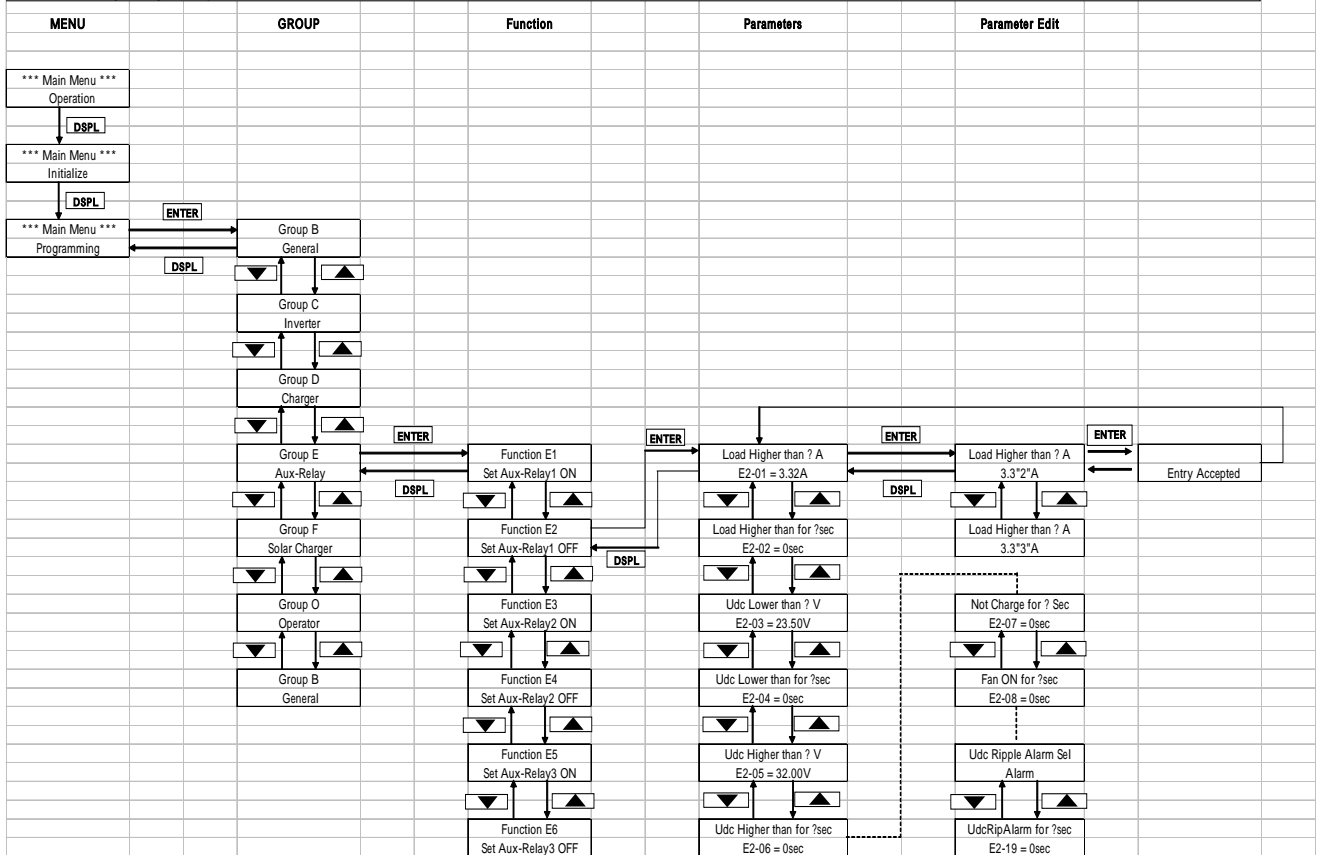
Main Menu : Programing - Function D1 - D1-01



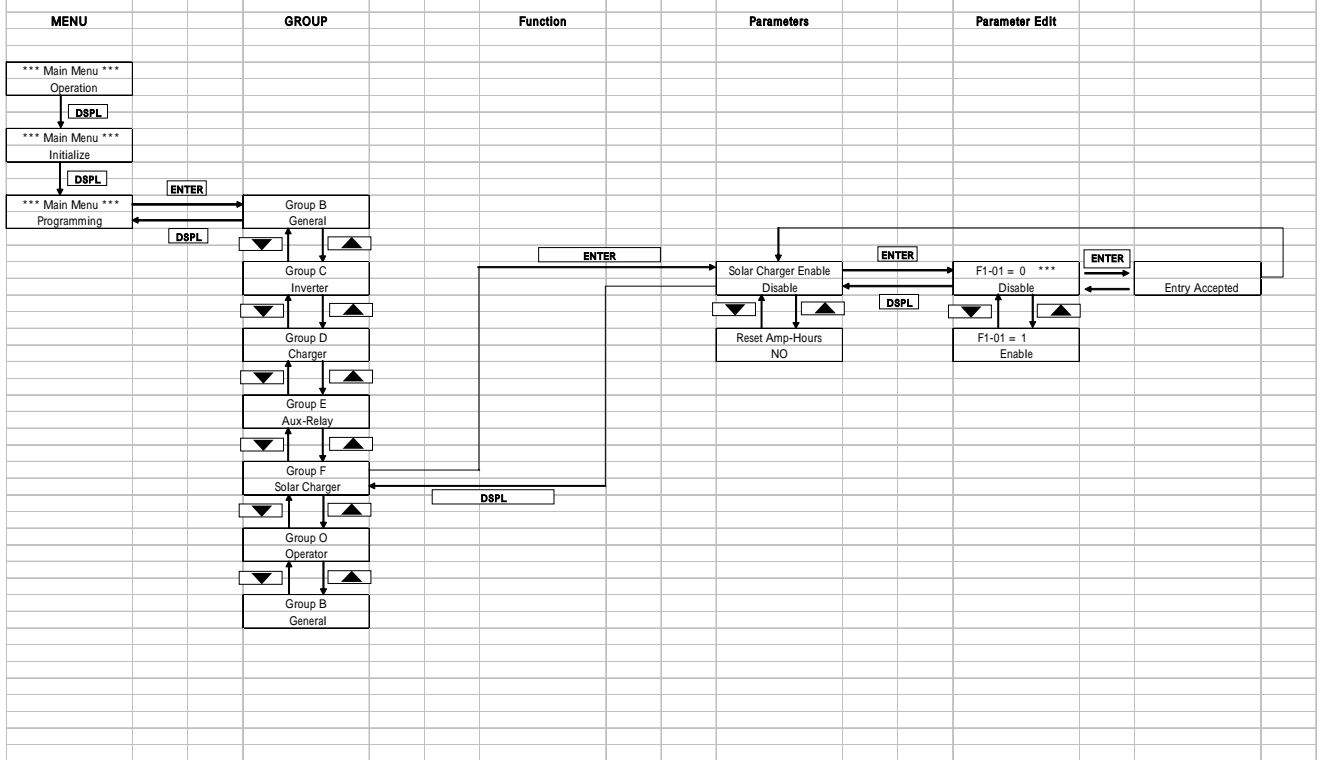
Main Menu : Programing - Group E - Function E1 - E1-01



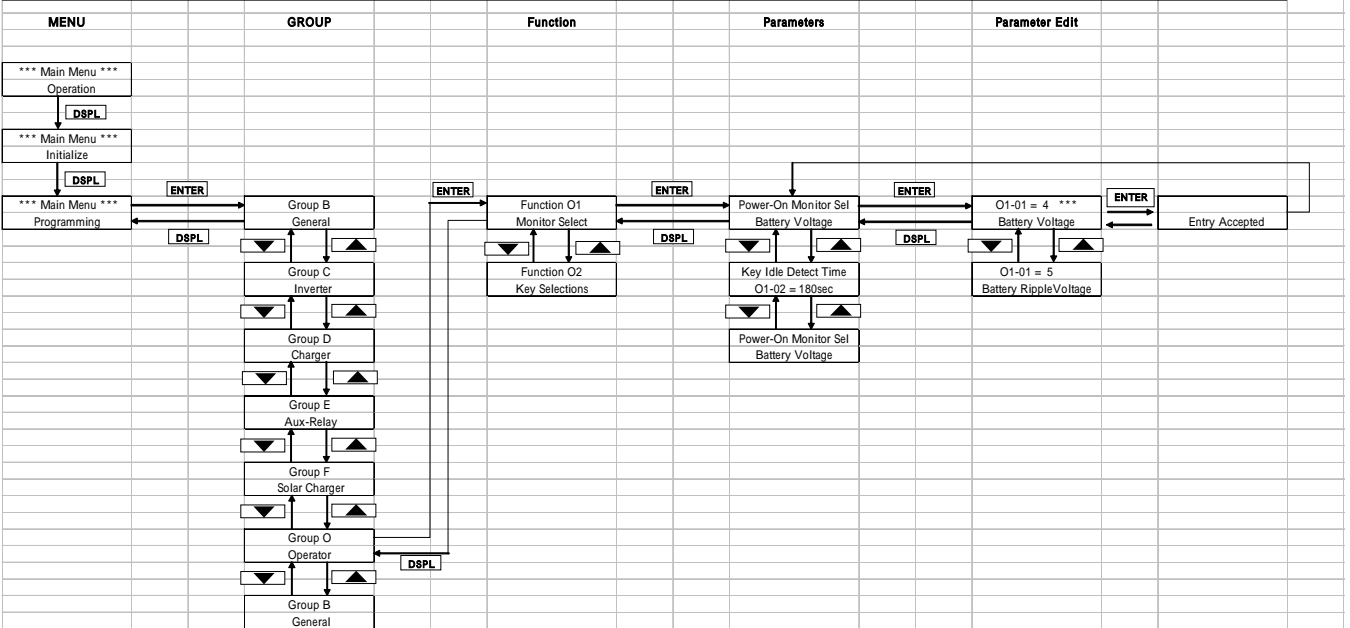
Main Menu : Programing - Group E - Function E2 - E2-01



Main Menu : Programing - Function F1 - F1-01



Main Menu : Programing - Group O - Function O1 - O1-01



Main Menu : Programing - Group O - Function O2 - O2-01

