



MATE Series Overview

System Display and Controller

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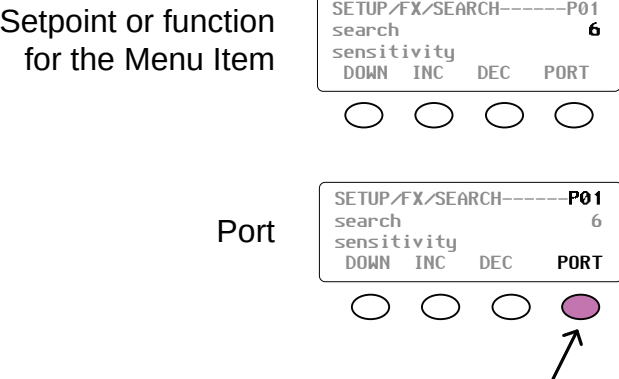
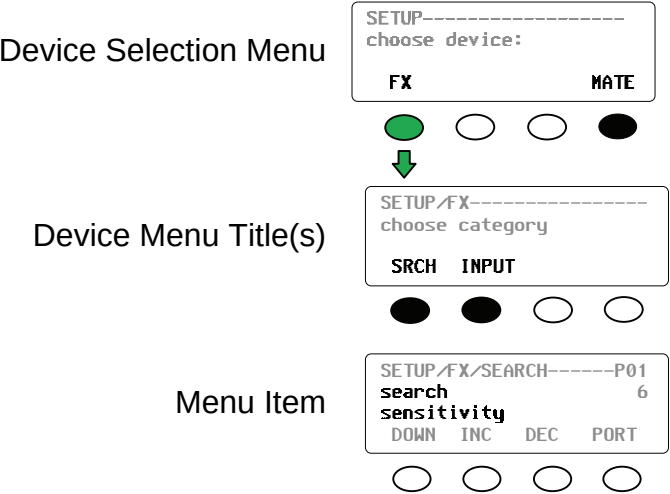
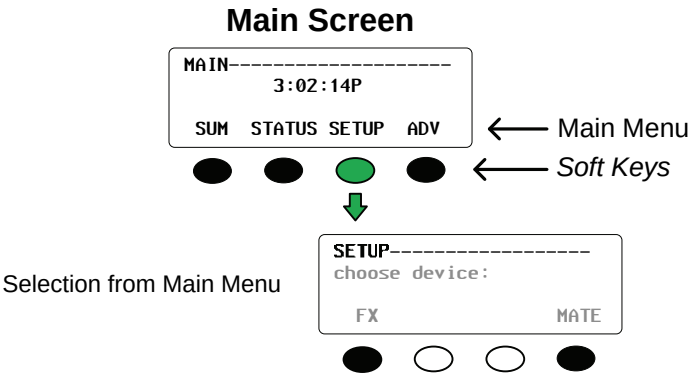
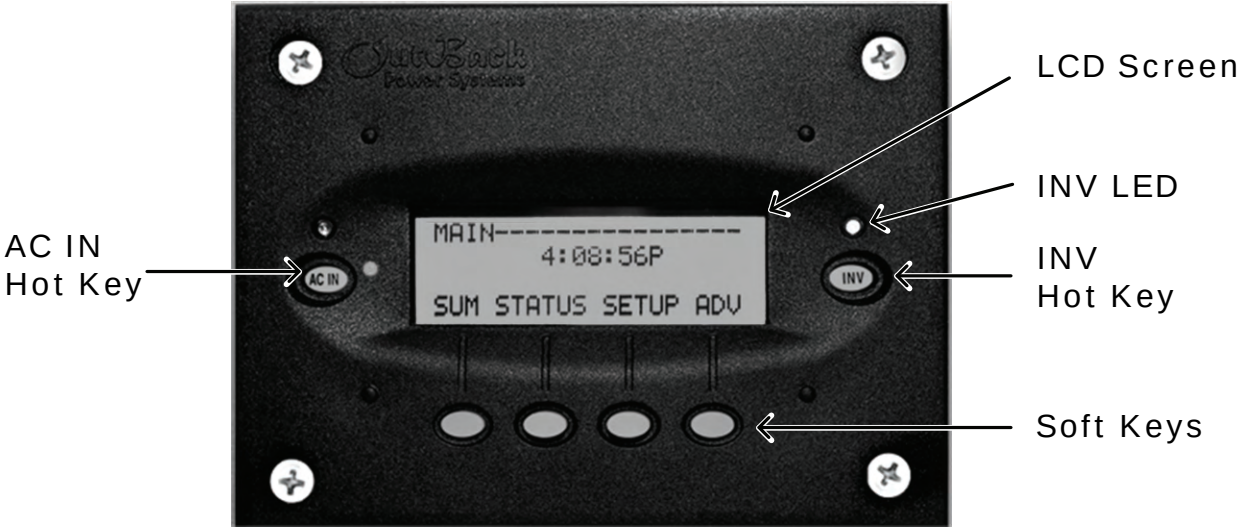
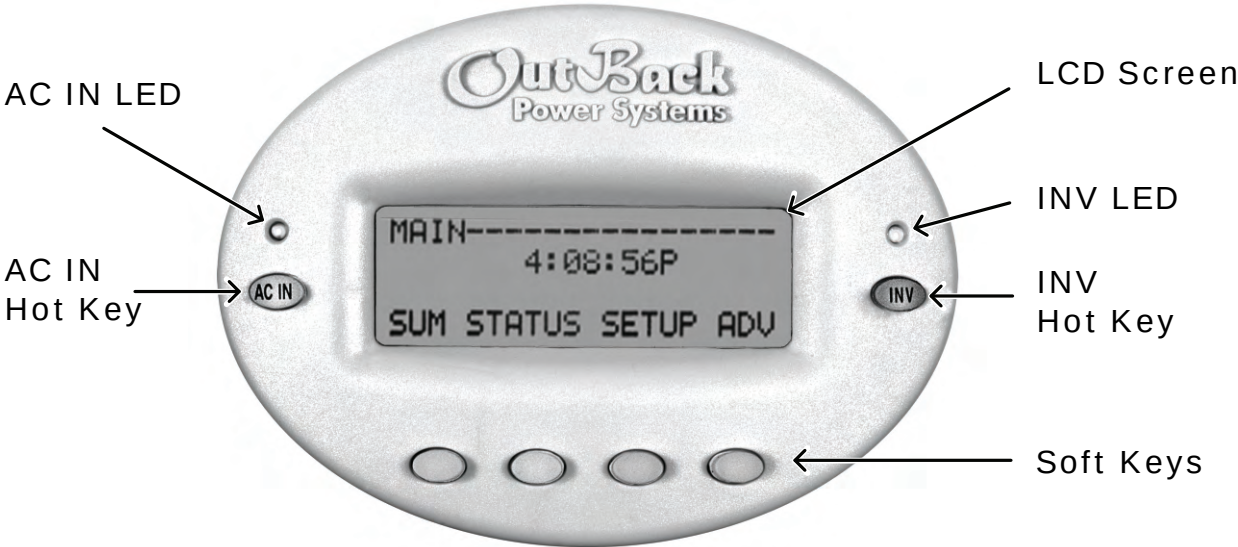
WARNING: SHOCK HAZARD

Consult the *MATE Owner's Manual* for detailed information on **safety** and **installation** procedures.

How to Read and Navigate the Menu Maps

The following pages are intended as a quick reference guide for the menu map of the MATE Series System Display and Controller. This document is for use with the products MATE and MATE2. It cannot be used with the MATE3.

See the MATE Series Owner's Manual for detailed information about the menu structure, MATE features, and hot/soft key functions. See the inverter, charge controller, and DC monitor manuals for detailed information about specific features and functions that are controlled by the menus.



To cycle through the devices connected to the HUB, press the <PORT> soft key.

To return to the Main screen at any time:

MAIN-----
3:02:14P
SUM STATUS SETUP ADV

Press and hold the 2 left soft keys at the same time. Release when the Main screen appears.

Soft Key Color Code:

- Available menus
- Select this option to proceed
- Adjusts the set points value
- Selects a function (e.g., ON, OFF, AUTO)
- Switches between devices on the ports of the Communications HUB
- Navigation colors

Soft key functions will vary depending on the selected menu and are defined by the word above the key in the LCD.

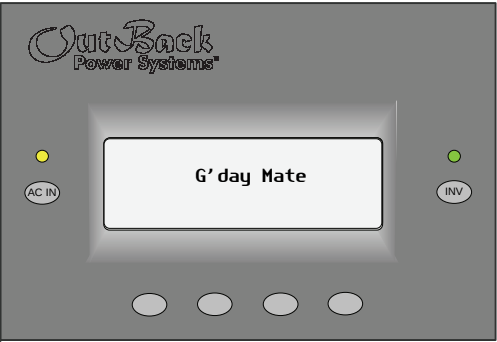
Navigation:

↓ ↑ → ← Indicates a 1-screen movement within a Menu. These are color coded according to their function or purpose.

If accompanied by a dashed line, pressing that soft key will return the user to the location identified by the dashed line. This will vary depending on the devices in the system.

Menu Map – MATE System Display and Controller Setup

Startup Screens



Setting up the MATE or MATE2 includes:

1. Setting the Clock (date and time)
2. Setting the screen contrast.
3. Setting the Glow time.
4. Setting how the Summary screens are displayed.
5. Setting communication options.
6. Setting Beep tone functions.

Main Screen

MAIN-----
3:02:14P
SUM STATUS SETUP ADV

SETUP-----
choose device:
FX MATE

SETUP/MATE/PAGE1-----
mate code rev: 4.1.3
choose category:
CLOCK CNT GLOW PG2

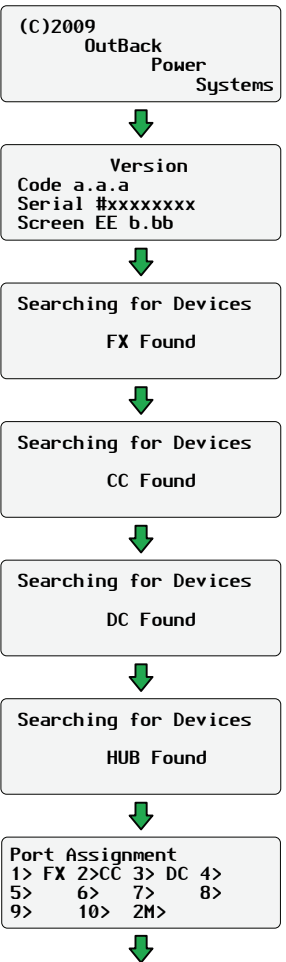
SETUP/MATE/PAGE2-----
choose category:
PG1 SUMRY COMM PG3

SETUP/MATE/PAGE3-----
choose category:
PG2 BEEP MAIN

To return to the Main screen at any time:

MAIN-----
3:02:14P
SUM STATUS SETUP ADV

Press and hold the 2 left soft keys at the same time. Release when the Main screen appears.



Main Screen

MAIN-----
3:02:14P
SUM STATUS SETUP ADV

SETUP/MATE/CLOCK-----
Tu 1/01/09 12:00:00P
BACK DATE TIME

Current Day Tu 01/01/09
INC DAY 1 SET MONTH

Current Hour 12:00:00P
INC HOUR 5 SET MIN

Current Month Tu 01/01/09
INC MONTH 2 SET DATE

Current Minute 12:00:00P
INC MIN 6 SET SEC DONE

Current Date Tu 01/01/09
INC DATE 3 SET YEAR

Setpoints (Current Day):
• Monday through Sunday

Setpoints (Current Month):
• 01 through 12

Setpoints (Current Date):
• 01 through 31

Setpoints (Current Year):
• 09 through xx

Setpoints (Current Hour):
• 01-12AM or 01-12PM

Setpoints (Reset Sec):
• Resets seconds to 00

SETUP/MATE/CNT-----
contrast 30%
BACK INC DEC

SETUP/MATE/GLOW-----
backlight controls
BACK LEVEL MODE TIME

SETUP/MATE/GLOW/LEVEL
backlight 100%
BACK INC DEC

SETUP/MATE/GLOW/MODE
current code: AUTO
BACK OFF AUTO ON

SETUP/MATE/GLOW/TIME
glow Off 5 mins
time BACK INC DEC

SETUP/MATE/SUM-----
summary control
BACK TYPE DELAY ROLL

SETUP/MATE/SUM/TYPE-----
summary screen type
BACK INC DEC

Setpoints:
• None
• Roll: rotates between devices
• FX Only
• CC Only
• DC Only
• DC Simple

SETUP/MATE/SUM/DELAY-----
Sum screen 19 mins
Delay time
BACK INC DEC

SETUP/MATE/SUM/DELAY-----
Sum screen 10 seconds
Roll rate
BACK INC DEC

SETUP/MATE/COMM-----
Choose category:
BACK REPOLL PC DEBUG

Searching for Devices
HUB Found

Port Assignment
1> FX 2> CC 3> DC 4>
5> 6> 7> 8>
9> 10> 2M>
Varies depending on attached devices. Automatically returns to the Main Screen.

SETUP/MATE/COMM/PC-----
PC communications: OFF
BACK OFF ON

SETUP/MATE/COMM-----
Comm errors:
BACK VIEW RSET

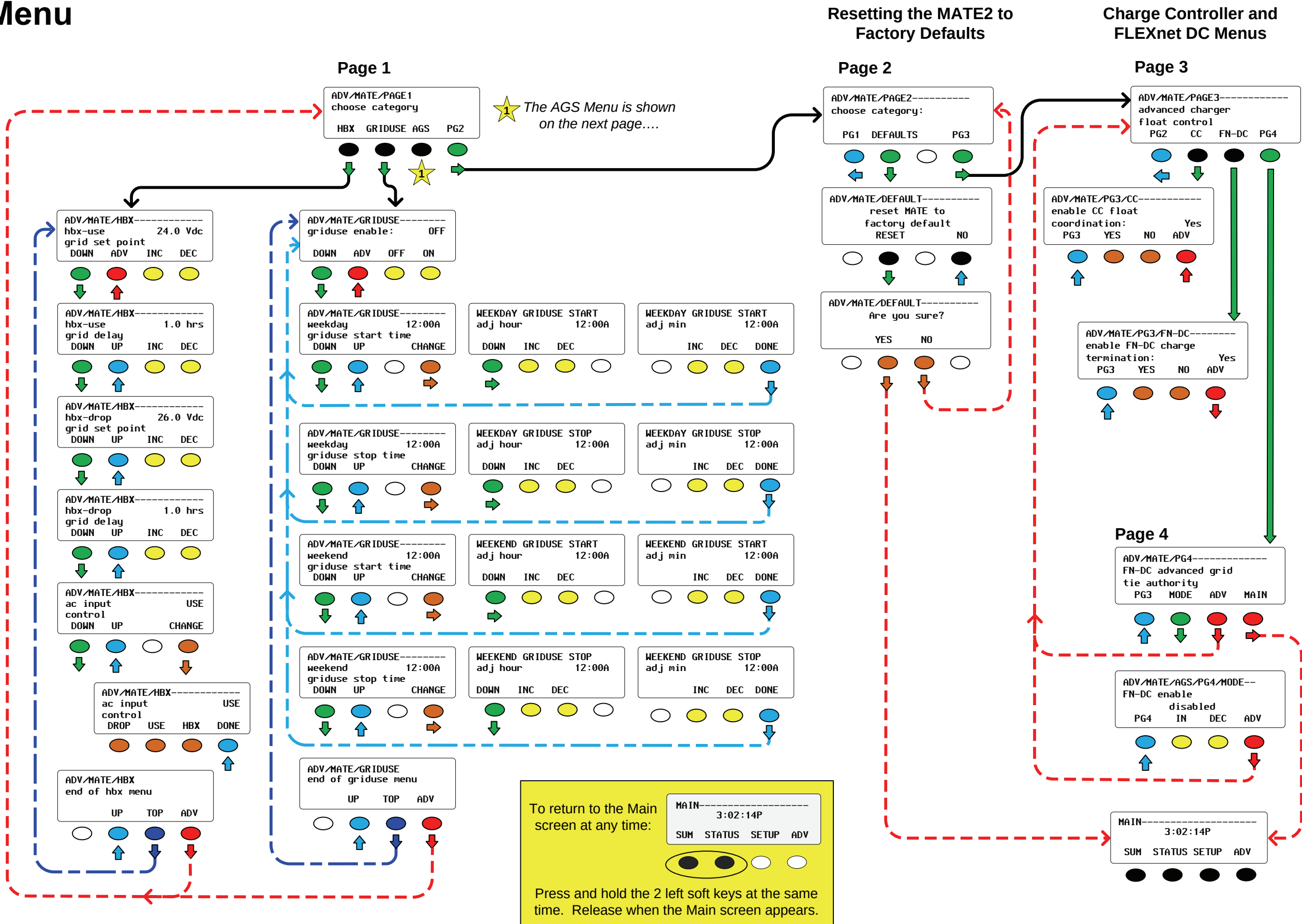
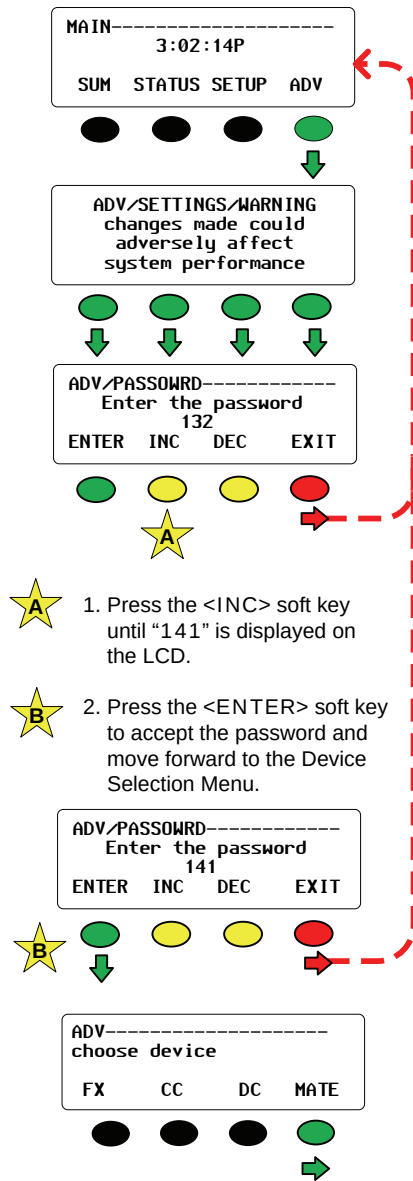
Viewing Comm Errors
00:000 01:000 02:000
03:000 04:025 05:001
06:001 07:001 08:001
09:001 10:001 2M:001

After Resetting Comm Errors
00:000 01:000 02:000
03:000 04:000 05:000
06:000 07:000 08:000
09:000 10:000 2M:000

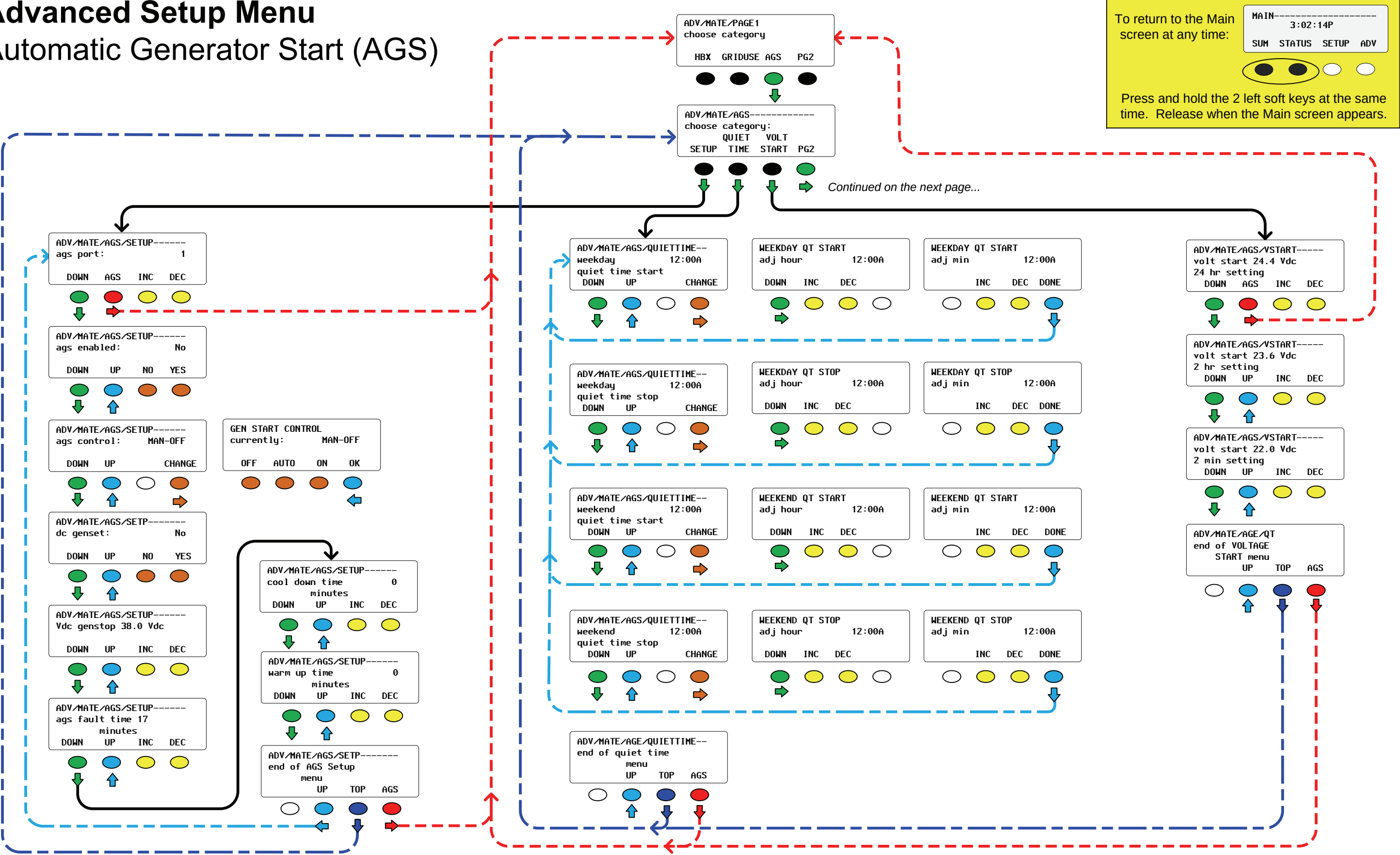
Advanced Setup Menu

Changing more detailed operating parameters requires access to the Advanced Setup Menu.

Accessing the Advanced Menu:

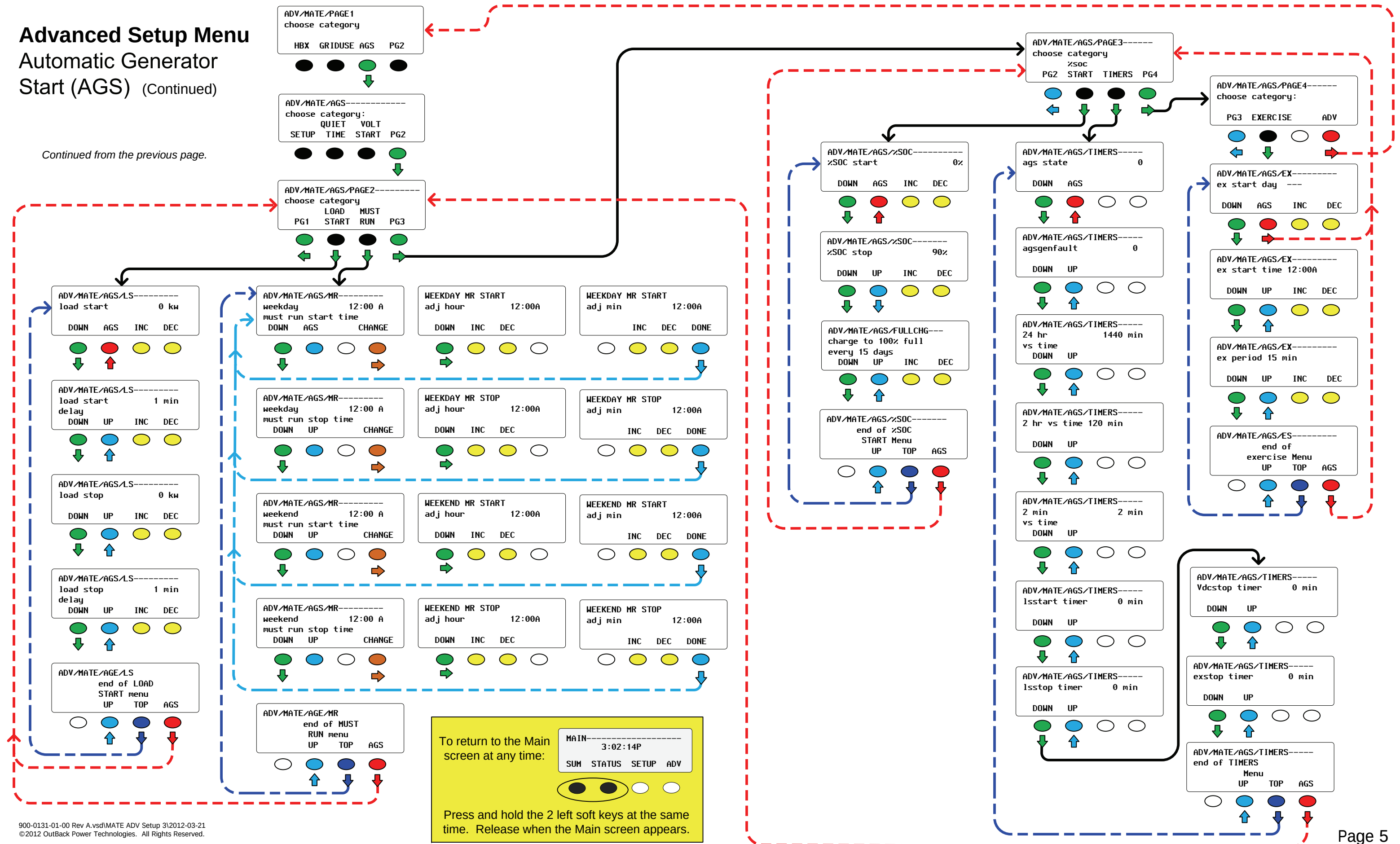


Advanced Setup Menu
Automatic Generator Start (AGS)



Advanced Setup Menu Automatic Generator Start (AGS) (Continued)

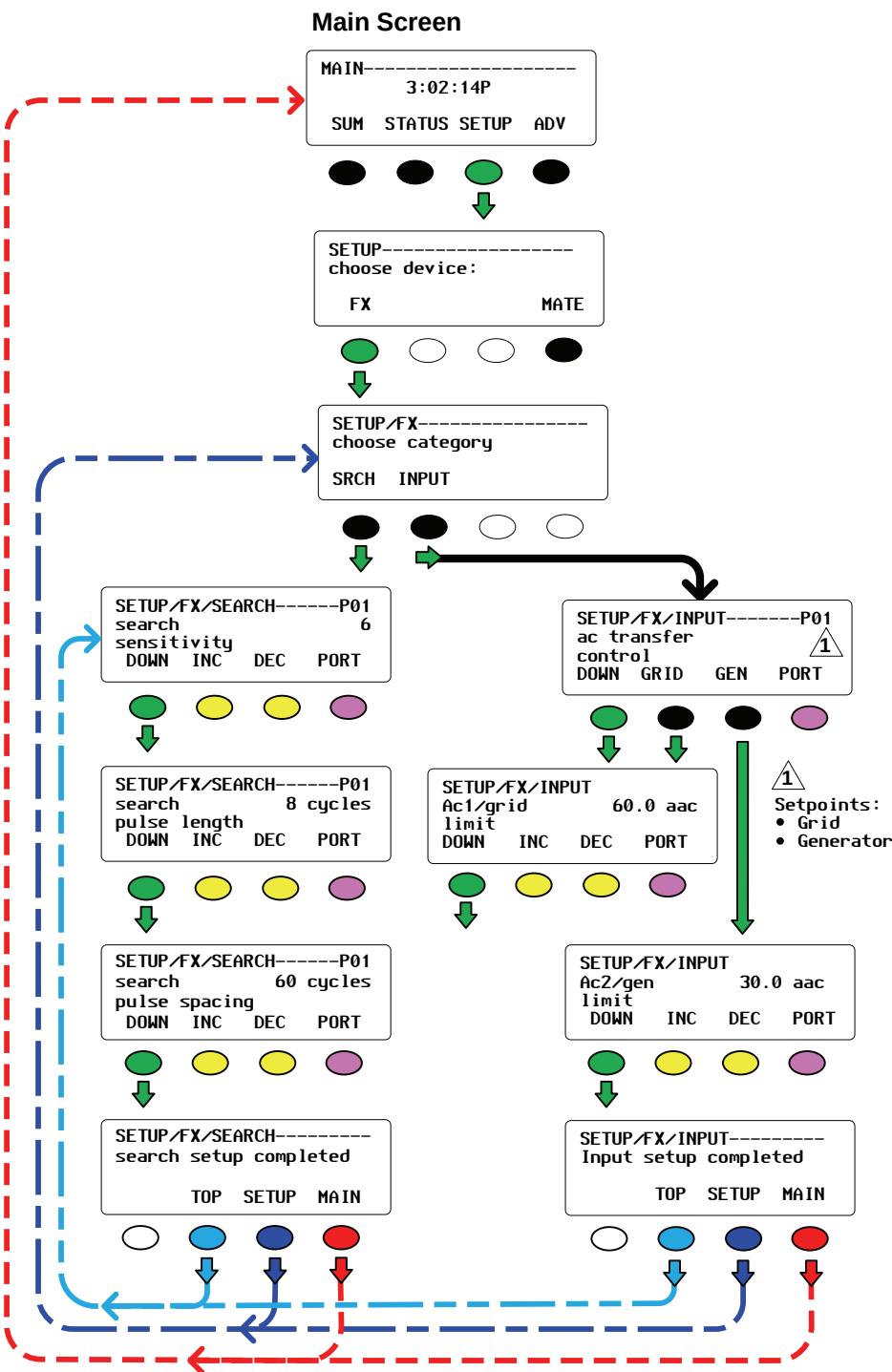
Continued from the previous page.



Basic Setup Menu

Setting up the basic Inverter functions includes:

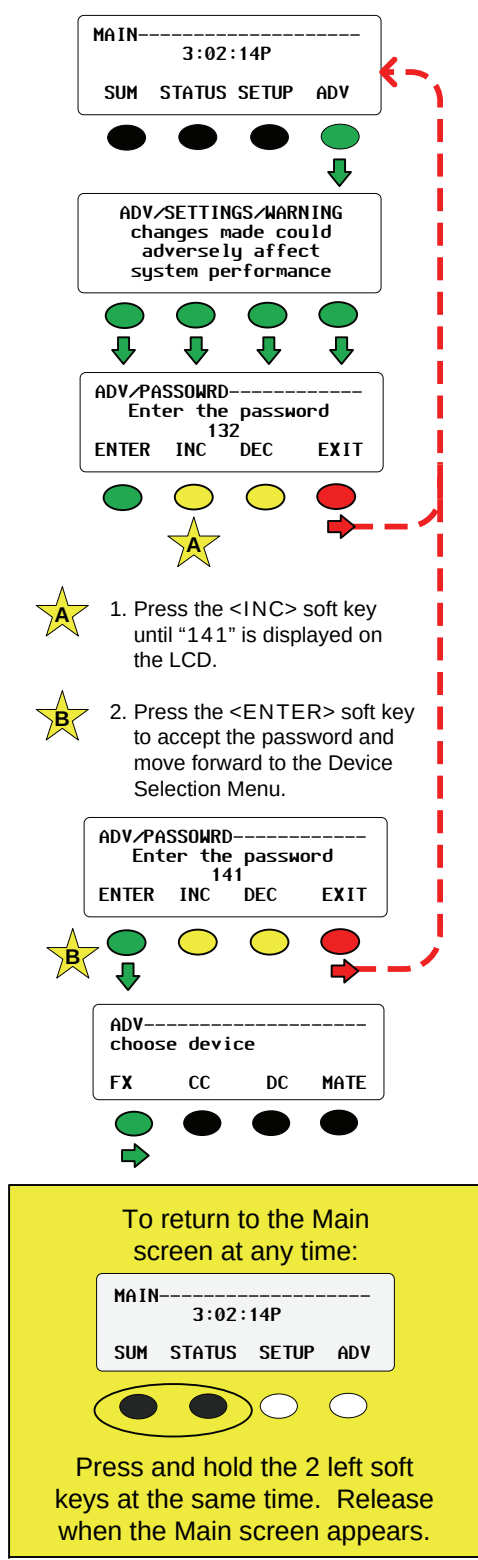
1. Selecting the AC input (Grid or Gen).
2. Setting the Search function.



Advanced Setup Menu

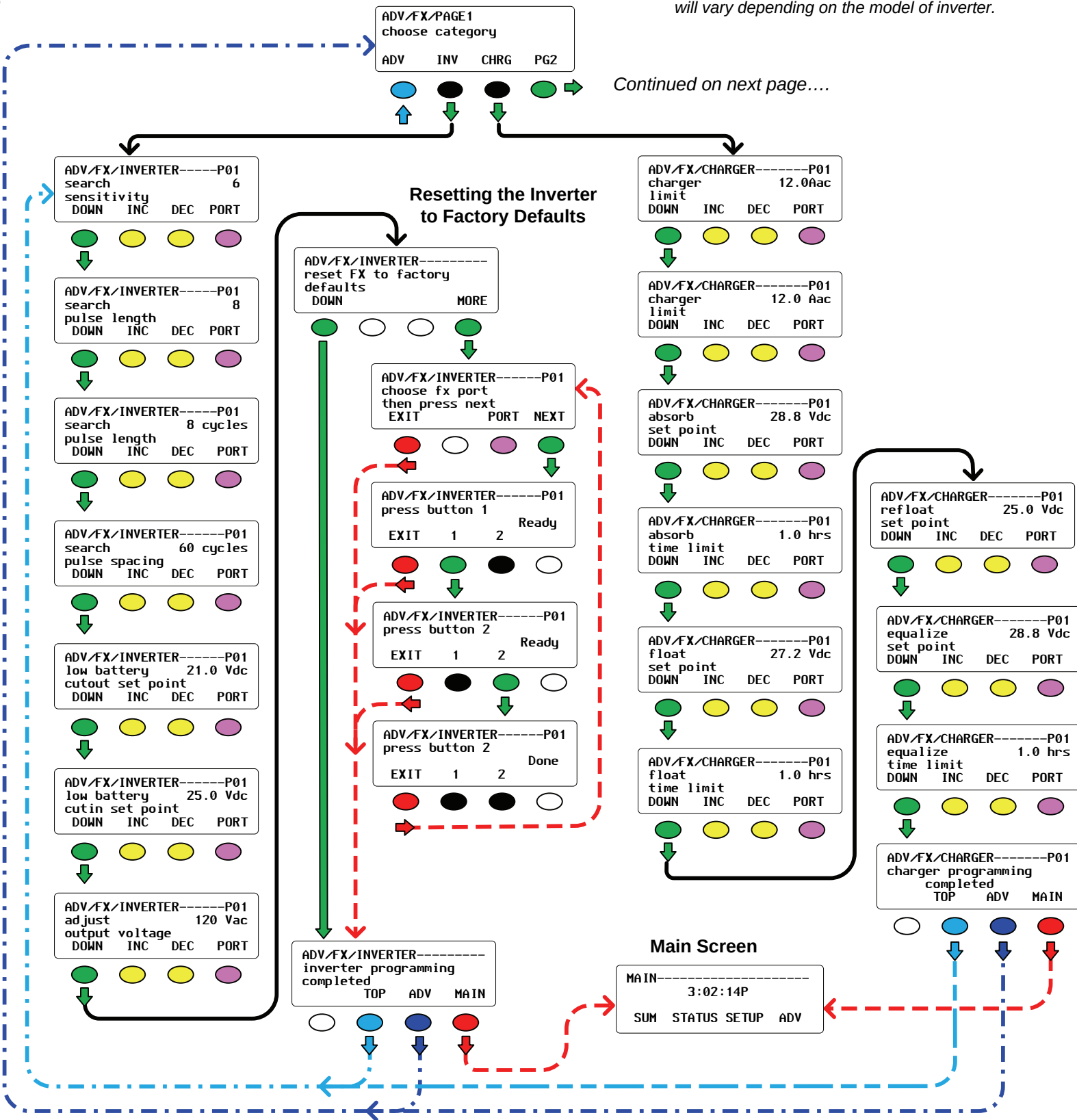
Changing more detailed operating parameters requires access to the Advanced Setup Menu.

Accessing the Advanced Menu:

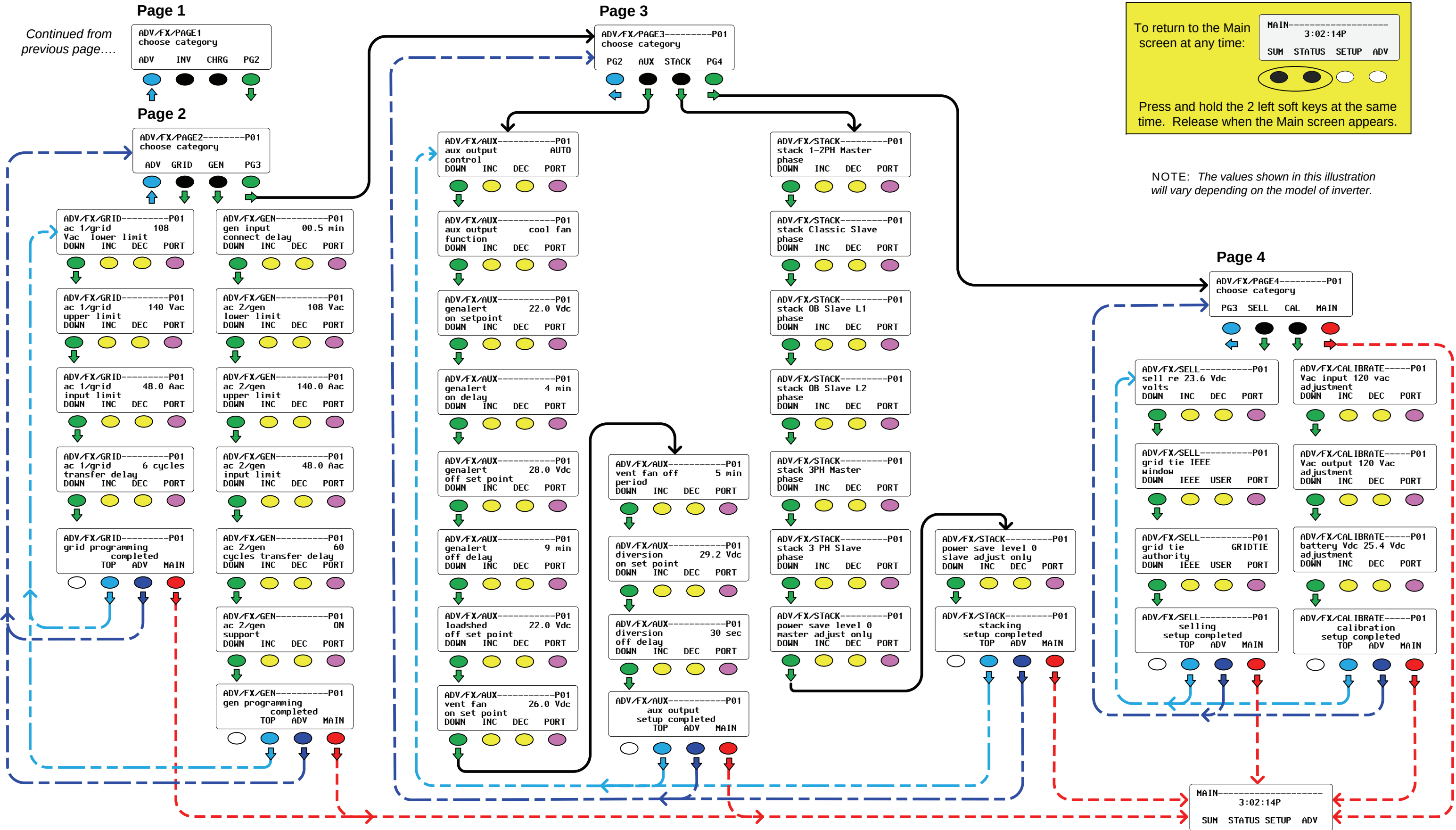


Advanced Menu for Inverter (Page 1 of 3)

NOTE: The values shown in this illustration will vary depending on the model of inverter.

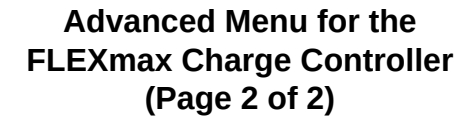


Advanced Inverter Setup Menu (continued)

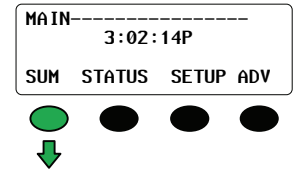


Changing more detailed operating parameters requires access to the Advanced Setup Menu.

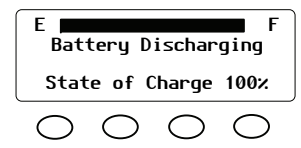
Advanced Menu for the FLEXmax Charge Controller (Page 1 of 2)



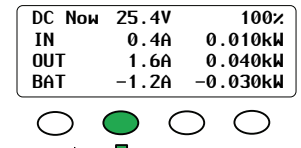
Main Screen



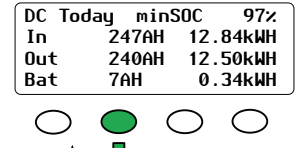
State-of-Charge Screen



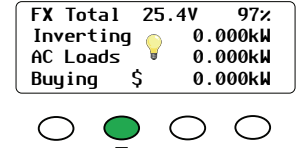
Summary Screen #1



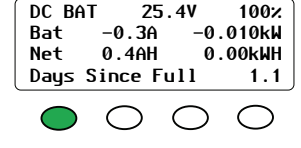
Summary Screen #2



Summary Screen #3

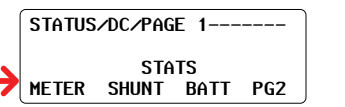
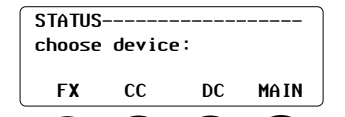
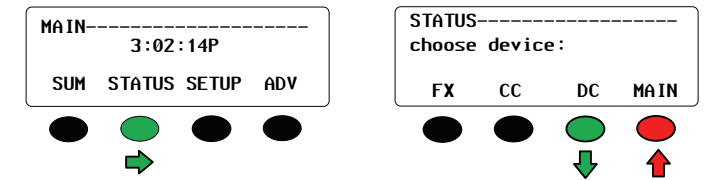


Summary Screen #4



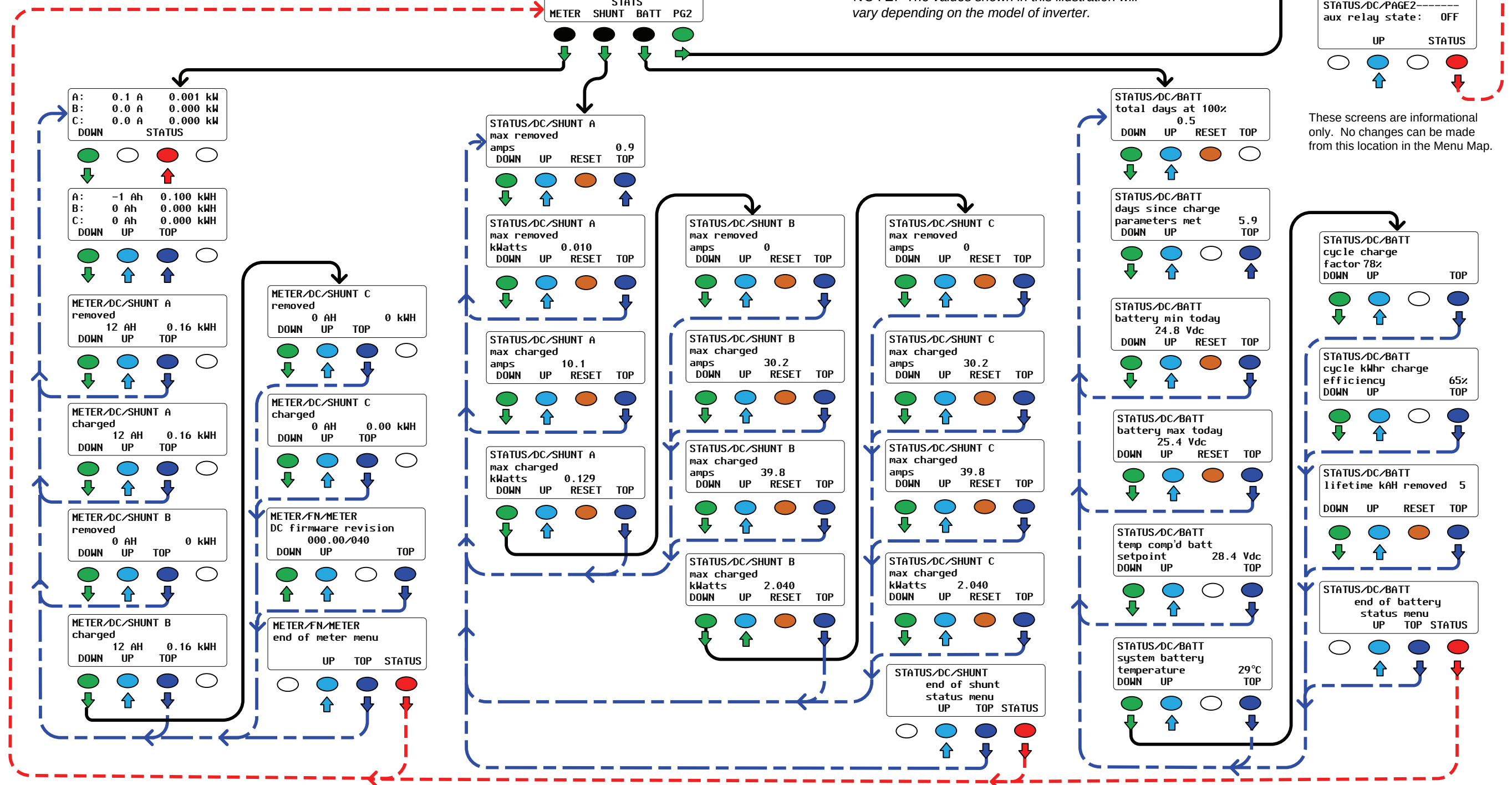
★
Press this soft key to proceed. This screen will also automatically move forward after a user-defined period of time.

Main Screen



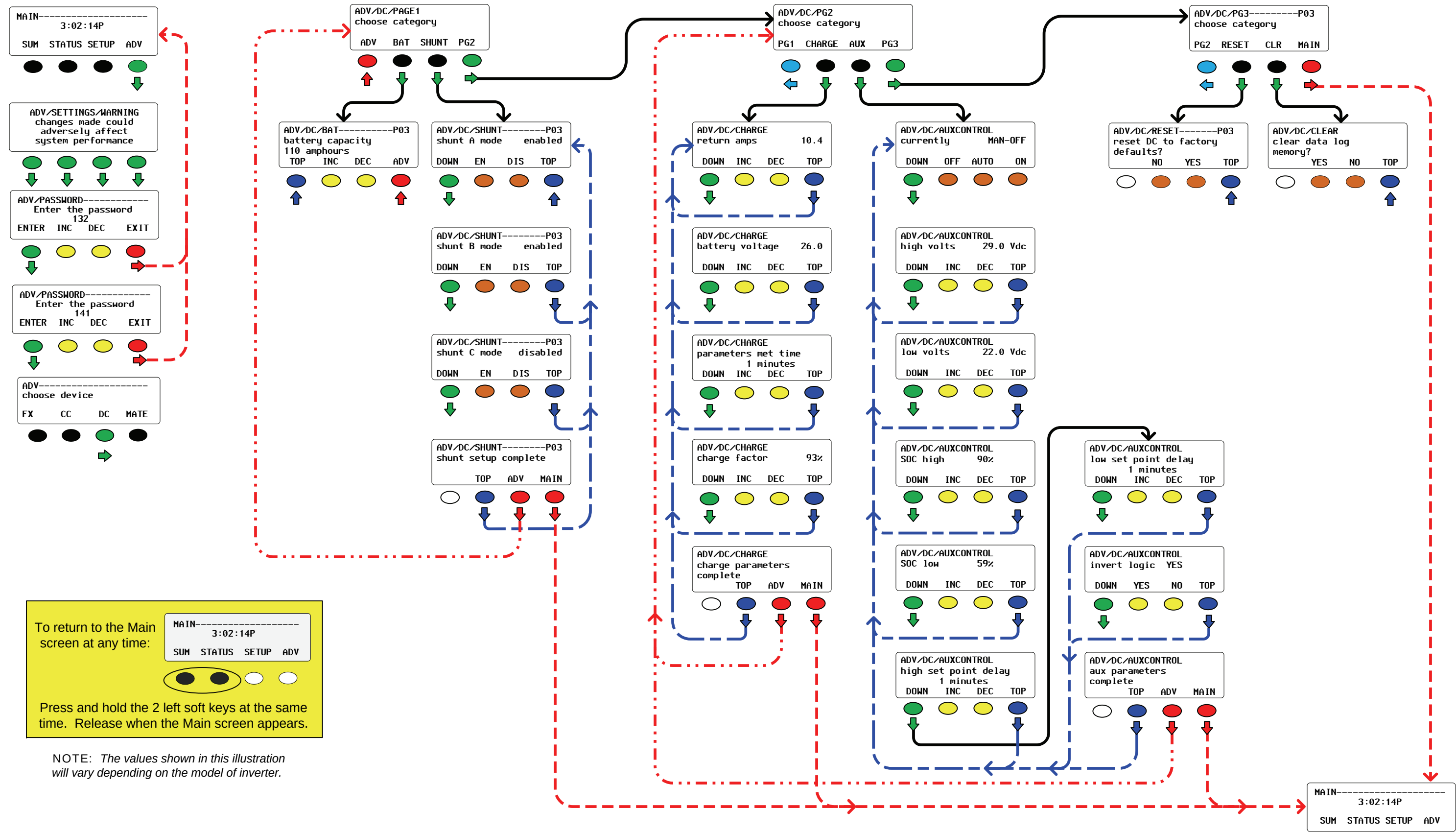
To return to the Main screen at any time:
Press and hold the 2 left soft keys at the same time. Release when the Main screen appears.

NOTE: The values shown in this illustration will vary depending on the model of inverter.



These screens are informational only. No changes can be made from this location in the Menu Map.

Accessing the Advanced Menu:



About OutBack Power Technologies

OutBack Power Technologies is a leader in advanced energy conversion technology. Our products include true sine wave inverter/chargers, maximum power point tracking charge controllers, and system communication components, as well as circuit breakers, batteries, accessories, and assembled systems.

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Date and Revision

January 2012, Revision A

Part Number

900-0131-01-00 Rev A



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