MATE Series Overview
System Display and Controller
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**Basic Navigation**

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**WARNING: SHOCK HAZARD**

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

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 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.

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

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.
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.

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

Varies depending on attached devices. Automatically returns to the Main Screen.

Timing Comm Errors
- 00:00 00:01 00:02 00:03 00:04 00:05
- 00:06 00:07 00:08 00:09 00:10 00:11

After Resolving Comm Errors
- 00:00 01:00 02:00 03:00 04:00 05:00
- 06:00 07:00 08:00 09:00 10:00 11:00

Repolling
- Select FX, CC, DC, DC Simple
- Various depending on attached devices. Automatically returns to the Main Screen.
Advanced Setup Menu

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

Accessing the Advanced Menu:

1. Press the <INC> soft key until “141” is displayed on the LCD.
2. Press the <ENTER> soft key to accept the password and move forward to the Device Selection Menu.

The AGS Menu is shown on the next page....

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

Automatic Generator Start (AGS) (Continued)

Continued from the previous page.

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.
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:

1. Press the <INC> soft key until "141" is displayed on the LCD.
2. Press the <ENTER> soft key to accept the password and move forward to the Device Selection Menu.

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.

Continued on next page….
Advanced Menu for the FLEXmax Charge Controller

Accessing the Advanced Menu:

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

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.
Main Screen

**Main Screen**

- **Device**: FX
- **Total Days at 100%**: 0.5
- **Days Since Charge Parameters Met**: 5.9

**State-of-Charge Screen**

- **Battery Discharging**
- **State of Charge**: 100%

**Summary Screen #1**

- **DC Today**: 25.4V
- **SOC Today**: 97%
- **In**: 247 AH
- **Out**: 240 AH
- **Bat**: 7 AH

**Summary Screen #2**

- **DC Today**: 25.4V
- **SOC Today**: 97%
- **In**: 247 AH
- **Out**: 240 AH
- **Bat**: 7 AH

**Summary Screen #3**

- **FX Total**: 25.4V
- **Inverting**: 0.000 kW
- **Buying**: 0.000 kW

**Summary Screen #4**

- **DC BAT**: 25.4V
- **Bat**: 0.34 kWH

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

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

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.
Menu Map – FLEXnet DC (continued)

Accessing the Advanced Menu:

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

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.
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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OutBack Power Technologies cannot be responsible for system failure, damages, or injury resulting from improper installation of their products.

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