

# Quick Tips for Programming the EP Tracer, Xtra-N and Duo Controllers

## Programming a Tracer BN or Xtra-N Series Solar Controller using the MT50 Remote Meter

The key parameters to program on this display are the **battery type, the battery bank amp hours, the date and the time**. Other parameters such as length of time the back light is on, can be found in the manual.

1. Esc left most button
2. Down to 4. Control Para
3. OK right most button
4. OK skip password
5. UP, DOWN to battery type
6. RIGHT to Battery Amp Hours
7. UP,DOWN on each digit
8. OK Save
9. OK Save success message
10. Esc to Menu
11. DOWN to 6. Device Para
12. OK
13. DOWN to Backlight and Date
14. OK to set
15. RIGHT to Date and Time
16. UP,DOWN to set
17. RIGHT to next digit
18. OK Save
19. OK Save success message
20. Esc to Menu
21. OK 1. Monitoring
22. UP,DOWN for monitoring pages (first page with graphics and page with Watt Hrs are most used)

## Programming a Xtra-N Series Solar Controller using the Built-in Meter (Advanced Display Unit XDS2)

The key parameters to program on this display are the **battery type, the battery bank amp hours (capacity), and the temperature units**. Other parameters such as length of time the back light is on, can be found in the manual.

**Note: Li Battery Types** - The optional BLE Bluetooth module and Bluetooth app or the optional computer cable and computer app are necessary to program the Xtra-N controller for Li and LiFePO4

battery types. Absent one of these modules, the GEL setting will work for most LiFePO4 batteries. The USER type option can also be used to custom set the parameters specific to the Li battery type.

#### Battery Type

1. Press the SET button
2. Press and hold the BATT button for 5 seconds
3. Press the PV + or the LOAD – to select the battery type. (See note above for Li battery types)
4. Press the SET button to save.

#### Battery Capacity (Amp Hours)

1. Press the SET button
2. Press and hold the BATT button for 5 seconds
3. Press the SET button to enter the battery capacity page
4. Press the BATT button to advance to the digit desired
5. Press the PV + or the LOAD – to select the value
6. Press the SET button when all digits are correct to save

#### Temperature Units

1. Press the SET button
2. Press and hold the BATT button for 5 seconds
3. Press the SET button twice to the temperature page
4. Press the PV + or the LOAD – to select the C or F value
5. Press the SET button when all digits are correct to save

## Programming the EP Duo dual output controller

There are three parameters to program from the button on the controller. These are the **battery type**, **the percentage of charge to each battery bank** and **the charging frequency**. The default charging frequency is fine as programmed. Change the frequency only if the controller is interfering with radio transmission.

1. The programming button is to the upper right on the front of the controller. Select the setting you wish to change by pressing the Programming Button. A red LED light will indicate which of the three settings is selected. • Battery type • Battery bank charging priority • Charging frequency
2. Press the Programming Button for 5 seconds until the value of the selected setting is displayed.
3. Press the Programming Button as many times as necessary to select the value desired. The values are highlighted on the top of the controller.
4. Wait 3 seconds until the LED light turns off. The value will be saved by the system.
5. Repeat steps 1-4 to program another setting.