

Victron charge controller

For most of our systems we use Victron 100/20 or 150/35

The Victron 100/20 has 6 terminals. Positive and negative for 3 connections:

- Battery – PV wire to batteries)
- PV – Solar (Pin connector)
- Load – Float switch (PV wire)

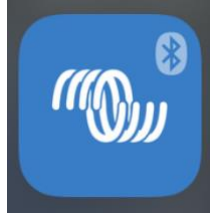
The Victron 150/35 has 4 terminals – positive and negative for 2 connections:

- Battery – (PV wire to Batteries)
- PV – Solar (Pin Connector)
- *Typically, only used for Lorentz Systems*



Programming:

1. We program our Victron Charge Controllers in house, but if you ever need to change the settings, you can refer to the Victron manual. However, this is a step by step guide to show what we do.
2. Download the Victron connect App



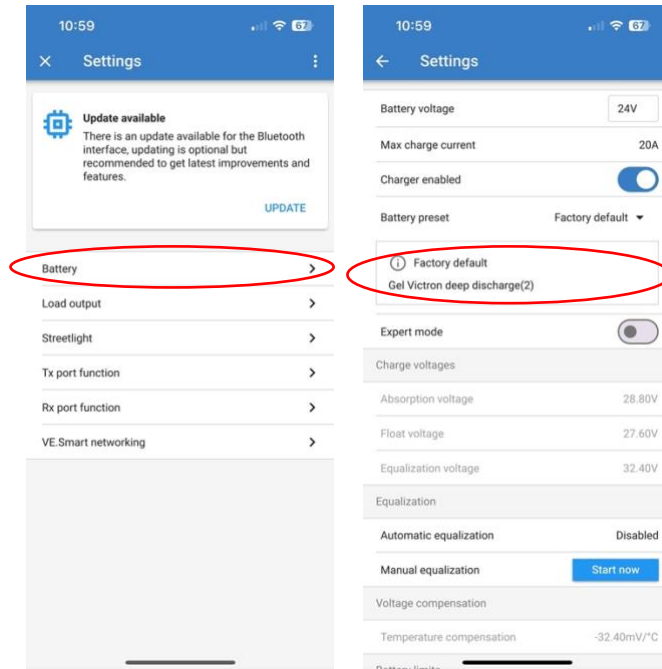
3. Once opened, you should see the serial number of your charge controller pop up. It will ask for the 6-digit pin: on the top of the Victron there is a label providing the unique pin for this device.



4. This will lead to the main page. From here click on the gear icon on the top right side.



5. From here click on battery – then ensure it is set to “Gel Victron Deep Discharge”



6. Next, back out of that menu and click “Load output”

7. Click on Operation Mode – Default is “BatteryLife” once you click that a drop-down menu will appear. Click on “User def. algorithm 1”

8. That will bring you to the Load output menu

9. For a 24v system ensure the high voltage level to 28.00V and the low voltage to 22.00V

10. For a 48V system the presets are 52.00V for High and 46.00V for Low.

