WatchMonPlus (WM7) Install Checklist

This is the **Beta Customer Checklist,** which you should go through whilst planning and designing your BMS requirements.

Install Steps

1. Ensure that sizing and configuration is compatible:-
    a. Can handle supervisor consumption of 1 Ah / day (**for 24V**) when running WiFi connectivity (**~2W**)
    b. Monitoring between 6 - 10 cells in series
    c. Cell voltage between 0.5v and 5v
    d. Ensure that the battery pack cannot be pulled apart in cells groups risking BMS being damaged whilst connected.
2. Make sure you send us photo(**s**) of the visual inspection of battery and wiring so that we can see that it looks suitable and has the TestMon verification PASS
3. Ensure no other cables other than USB are connected to the supervisor
4. Install software and USB driver
5. Upgrade firmware onto supervisor (**if required**)
6. Run Wizard Setup to configured supervisor to suit the hardware that it will eventually be connected to
7. Adopt WiFi connection to software
8. Swap to isolated 5V USB plug pack for power (**i.e. mobile phone charger**)
9. Transfer cell monitoring terminals to WM5, ensure no other connections except the cell terminals
10. Plug in temperature sensors and ensure are reading appropriately
11. Add ShuntMon and make sure has working connection
12. Remove usb supply
13. Double check supply pins and insert
14. Add any other IO controls
15. Add CANbus support to inverter/charger

Post Install Balancing Verification Procedures

1. Adjust the bypass voltage threshold below actual cell voltages to ensure that every cell bypass works
2. Visually check that each balancing Red LED works odds / evens
3. Detect that the heatsink increases in temperature
4. Return voltage threshold back to target values.