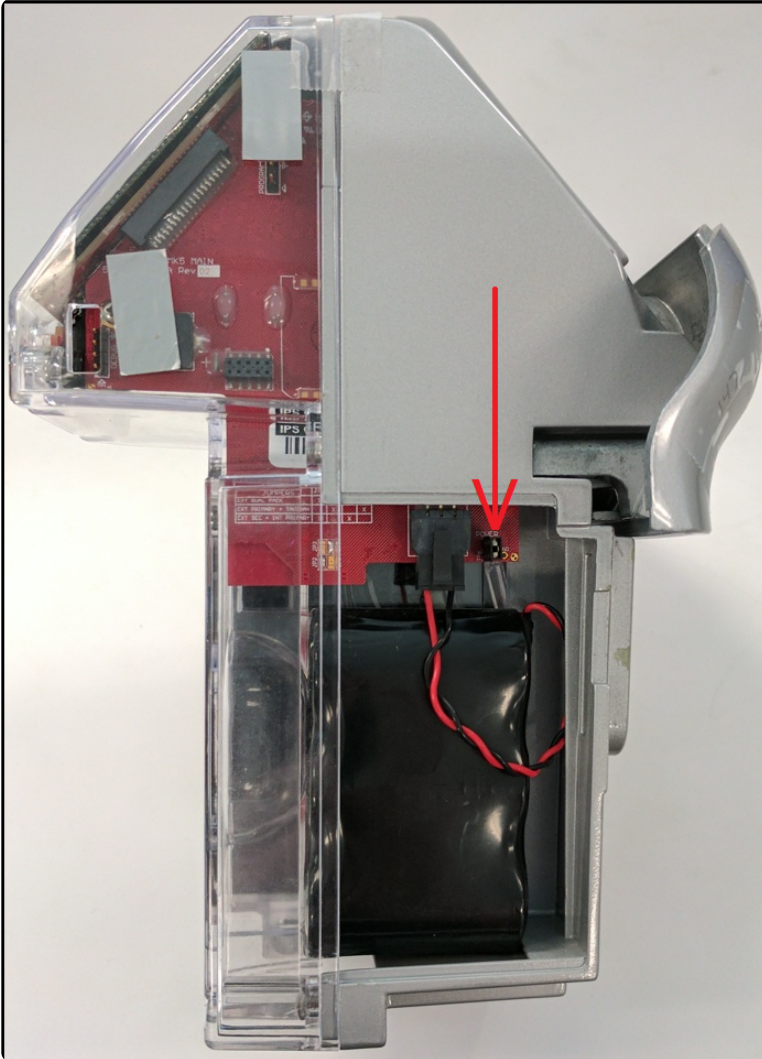


# How To Charge the M5™ Main Battery

**Caution:** At the JMP6 header on the main board, ensure the jumper (JMP0002, indicated in the following figure), is connected correctly and remains connected while charging.

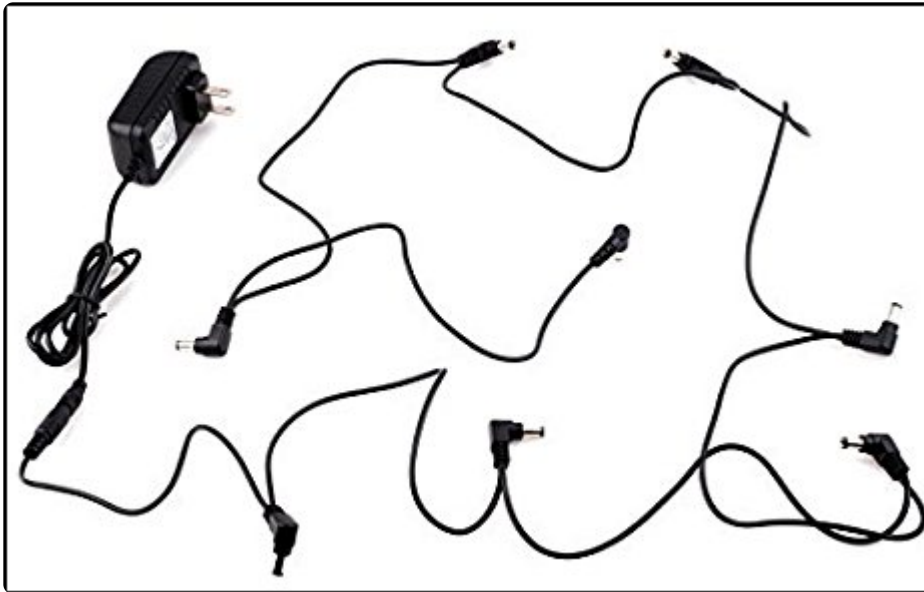


To charge the M5™ Main Battery:

1. Remove the Non-rechargeable Backup Battery door from the SSPM, and disconnect and remove the Non-rechargeable Backup Battery.

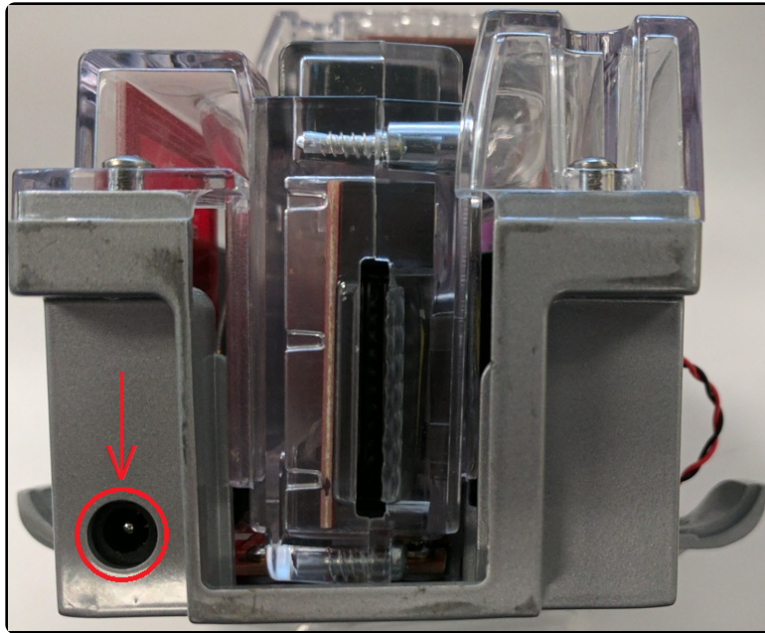


2. Plug the charging cable into an AC power supply.

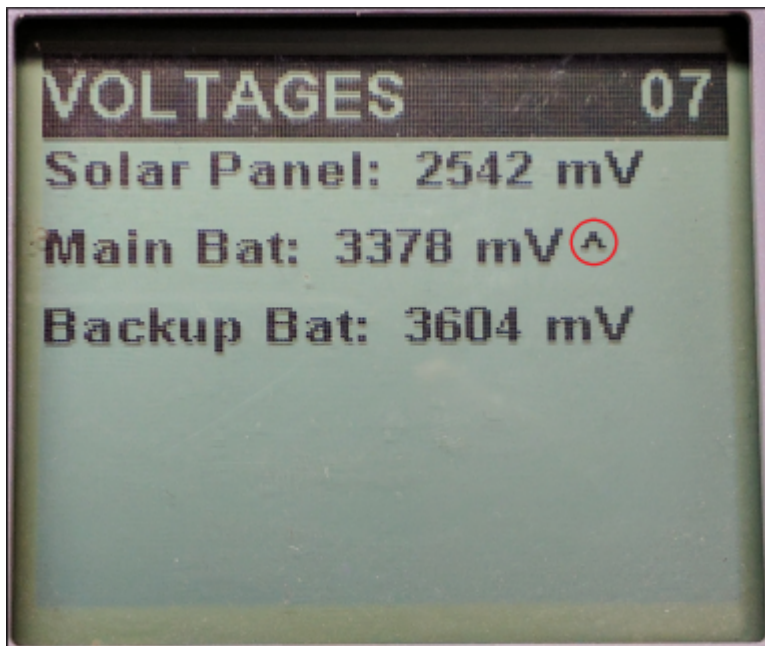


**Caution:** At the JMP6 header on the main board, ensure the jumper (JMP0002) is properly connected.

3. Plug a male connector from the charging cable into the female connector of the SSPM (on the bottom of the SSPM).



4. On the SSPM, quickly insert and remove a Diagnostics card from the EMV card reader to enter *Diagnostics* mode.
5. Press **+ Time** (more time) / **— Time** (less time) to scroll to *Voltages*, and ensure the meter enters “Charging” mode indicated by ^ on the display.



6. Continue charging the battery  $\geq 4$  hours.

**Caution:** Do not leave the battery charging unattended / overnight. All battery-charging activities carry inherent risk and must be supervised at all times.

7. In  $\geq 4$  hours, disconnect the meter from the charging cable.
8. Re-connect and replace the Non-rechargeable Backup Battery, and battery door.
9. Check the battery voltages to ensure Non-rechargeable Backup Battery and the Rechargeable Main Battery both measure  $> 3100$  mV. (See [How To Check the M5™ Battery Voltage](#) for more details).
  - If the both batteries measure  $> 3100$  mV, deploy the M5™ SSPM for use or place it into Sleep state for future use.

- If the Rechargeable Main Battery is < 3100 mV, repeat this procedure from the beginning, or send the SSPM to IPS Group, Inc. for servicing / replacement.
- If the Non-rechargeable Backup Battery is < 3100 mV, send the SSPM to IPS Group, Inc. for servicing / replacement..