

## Battery Maintenance and Conditioning

**NOTE:** For access to the full user manual for this product, please visit [www.heska.com/productmanuals](http://www.heska.com/productmanuals).

To maintain optimal performance and longevity of the Vet/IV™ 2.2 Infusion Pump battery, the following procedures should be followed.

### To Charge the Battery

Connect the Vet/IV Pump to an AC power source for approximately 8–10 hours, but no longer than 12 hours.

**NOTE:** Leaving the Vet/IV Pump plugged in for longer than 12 hours can actually over-charge the battery and shorten the battery life.

**NOTE:** If the Vet/IV Pump is delivering fluids to a patient while plugged into AC power, the pump battery will not be over-charged; therefore, in this situation it is acceptable to leave the pump plugged in for longer than 12 hours. Battery over-charging and resultant shortened battery life occurs when the Vet/IV Pump is not delivering fluids to a patient and is plugged in to AC power for longer than 12 hours.

### Prior to First Use

Connect the Vet/IV Pump to an AC power source for approximately 8–10 hours, but no longer than 12 hours.

### Bimonthly Maintenance

Bimonthly maintenance is recommended for pumps that are used infrequently or that always remain plugged in when delivering fluids to patients.

1. The Vet/IV Pump should not be delivering fluids to a patient when this maintenance is performed.
2. Set up a bag of fluids to re-circulate. The easiest way to do this is to cut a small hole in the top of the bag and place the end of the IV line back into this bag.
3. Insert the IV line into the guide groove and close the door. Set the rate for 120 ml/hr and the time for 6–7 hours.
4. Disconnect the Vet/IV Pump from AC power and run the pump until the [LO BATT] message is displayed.
5. Power the Vet/IV Pump off and connect the Vet/IV Pump to an AC power source for approximately 8–10 hours, but no longer than 12 hours, and then resume normal use.

**NOTE:** If pumps are regularly run on battery power and then recharged for 8–10 hours, this bimonthly maintenance is optional.

### Battery Conditioning

If the battery has been allowed to discharge completely, [END BATT] message is displayed, or the Vet/IV Pump has not been used for an extended period of time, the Vet/IV Pump may no longer exhibit the expected battery life. Battery conditioning may restore battery function. Follow the steps on the following page to attempt to condition the Vet/IV Pump battery.

1. Charge the Vet/IV Pump on AC power for 8–10 hours. DO NOT use the pump during this charge time.
2. Following the charge, set the flow rate to 120 ml/hr and run the pump on battery power for 6–7 hours using a recirculating bag of fluids (see steps 1–3 on the previous page under bimonthly maintenance). If the battery is functioning properly the Vet/IV Pump should be able to run on battery power at a flow rate of 120 ml/hr for 6–7 hours.
3. If the Vet/IV Pump cannot sustain a flow rate of 120 ml/hr for 6–7 hours, [END BATT] message is displayed, or pump does not function, repeat steps 1 and 2, up to a total of 3 times.
4. If after 3 charge cycles the Vet/IV Pump still cannot sustain a flow rate of 120 ml/hr for 6–7 hours on battery power, the Vet/IV Pump battery will need to be replaced. Contact Heska's Technical Support Services for further assistance.