



Ultimate Battery Technology:

**Powerlight Battery by Cinepower for
Heracles system**

USER MANUAL

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Please read the following operating instructions very carefully before using this Ballast for the first time. They contain important information and instructions for the safety, use and maintenance of your Ballast. For your own safety please follow all safety instructions and warnings. Keep these operating instructions carefully in a safe place and pass them to any future owner.

Please see the datasheet with description and technical specifications about the product.

1. For Your Safety

Warnings

Charging.

Do not attempt to charge your battery from the AC mains power supply. Use a Powerstation Maxi-D battery charger only.

Location

Avoid direct sunlight and excessively dusty environments. Never use near water, in the rain or snow.

Use correctly.

This battery is not a toy. Do not allow children to play with it. Ensure anybody using it understands how to use it correctly, as detailed in the User Manual.

Stop using the battery when you sense trouble.

If you notice any abnormal phenomena such as smoke, strange sounds or fumes, unplug the battery and contact your dealer or CPI.

Cleaning

Always completely disconnect your battery before cleaning. Clean only with a dry or slightly moist cloth. Never immerse in water.

2. Operating Instructions

Charging

There is no need to discharge before charging.

All Cine Power chargers are microprocessor controlled which, unlike some other chargers, do not rely on a timer to determine the end of charge.

Only recharge with the charger supplied:

- Disconnect any cables connected to the output sockets of your battery.
- Check the charger is set to 110/230V appropriate to the AC mains power supply you are connecting it into.
- Then connect charge cable from the charger to the Charge socket on the Powerlight and turn the charger on.
- The battery is fully charged when both green Charge lights on the charger are flashing. Do not reset the charger.

Discharging

30V Powerlight: Do not attempt to discharge through the dedicated charging socket.

4 Pin XLR socket:

Pin 1 - Neg, Pin 2 - Pos.

High-current output:

Pins: +1, +2 : Positive

Pins: -1, -2 : Negative

3. Troubleshooting

! Do not disassemble your battery to fix any problem by yourself. Contact the factory directly for servicing details.

Problems, Possible Causes and Remedies

Symptom 1: The battery cutoff level is set too high.

The battery may be flat. Charge the battery and try again.

Note that the voltage discharge profile of a NiCd/NiMH battery is flat. That means the battery voltage is constant for most of the discharge.

As soon as the battery is fully discharged the voltage suddenly collapses. If you are relying on your camera voltage display, this will incorrectly show the cutoff voltage level due to power buffering in the camera.

The voltage cutoff level is factory calibrated and is not user serviceable.

Symptom 2: The battery has poor capacity.

1. Charge the battery. Then fully discharge the battery. Ideally use the *Battery Capacity Tester* to test the capacity of the battery. Use another charger, the charger may be damaged.
2. Check the output sockets and any cables connected to them. There may be a faulty cable or socket.

Symptom 3: The Fault light on the charger comes on.

1. The charger may be damaged. Try another charger.
2. The battery is damaged. Contact the factory.

Symptom 4: The Temp light on the charger is always on.

1. The charger may be damaged. Try another charger.
2. The battery may be hot. This can take some time. Let it cool down, then try again. If the Temp light never goes out, the battery may be damaged. Contact the factory.

Symptom 5: The Hour Counter does not come on.

1. The counter only comes on when the load current is $> \sim 100$ mA. Increase the load.
2. The counter or battery is damaged. Contact the factory.

4. Servicing and Support

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For warranty and commercial terms, see IANIRO
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