



PowerWeight™ Rechargeable Counterweight Battery Pack

iOptron's PowerWeight™ rechargeable counterweight battery pack is designed for using with various iOptron mounts. It can be fitted onto a mount which has a counterweight (CW) shaft with a diameter of 20mm or 28mm. Use this battery pack in place of your traditional CW, or as an additional CW, and avoid long extension cords.

Inside the counterweight are 6 heavy duty spiral wound valve-regulated lead-acid (VRLA) battery cells. The 8 amp-hour power pack provides power for operation of your telescope gear out in the field.

The battery does not have a memory effect. An indicator light on the battery charger tells you the battery charging status. RED indicates the battery is recharging and GREEN indicates the charge is complete. The charging process should automatically stop when the battery is full. Either socket on the power pack can be used for power drawing or charging. The extra socket may be used for powering other device.

Supported Mount:

- CEM60
- iEQ45 Pro/iEQ45
- iEQ30 Pro/iEQ30
- CEM25
- ZEQ25
- AZ Mount Pro
- MiniTower Pro
- MiniTower II
- MiniTower
- SmartStar®-PR
- Other mount has a 20mm/28mm diameter CW shaft
- Any other mount with a CW shaft smaller than 28mm in diameter, with a DIY adapter sleeve and a proper locking screw (M8 thread)

Parts Included:

- Battery pack
- Installed inner sleeve for Φ 20mm counterweight shaft
- 5.5mmX2.1mm power cable
- 110-240V AC input, 14.8V, 1500mA DC output battery charger with LED status indicator

Operation:

1. Battery Charge and Care

Remove the battery from the shipping package. Inspect it carefully for any damage or leakage. Full charge the battery with included battery AC/DC charger until the LED indicator on the charger turn to green.

Disconnect the AC charging power before use.

Disconnect the battery from your mount after use.

Fully charge the battery before every use for the best performance.

Charge the battery in full before storage

2. Battery Use

Retreat the CW locking screw a little. Slide the PowerWeight™ battery pack onto your mount's counterweight shaft. Tighten the CW locking screw.

Connect the battery 12V DC output to your mount using the supplied power cable.



3. Battery Install

For a mount with a 28mm counterweight shaft, such as CEM60, iEQ45 Pro or iEQ45 mount, remove the CW Locking Screw. Hold both end of the inner sleeve and turn it counter clockwise. The inner sleeve will be separated to two parts.



Reinstall the CW Locking Screw and slide the battery pack onto the mount CW shaft. Tighten the CW Locking Screw.



For a mount with a 20mm counterweight shaft, such as iEQ30 Pro, iEQ30, CEM25, ZEQ25, AZ Mount Pro, MiniTower Pro, MiniTower II, MiniTower or SmartStar®-PR mount, just simply slide the battery pack onto it and lock the CW Locking Screw.



If you already take the inner sleeve out of the battery pack, make sure the small hole on the inner sleeve is aligned to the CW Locking Screw hole when you re install it.



Specification:

Battery Type:	6-cell, valve-regulated lead-acid (VRLA)
Output:	12V/8Ah (96Wh), center positive
Input:	100~240V AC adapter
LED indicator;	RED – charging, GREEN – charge complete
Weight:	7 lbs
Dimension:	Φ5.51" x 4.33" (Φ140 mmX110 mm, diameter x height)
CW shaft diameter:	Φ28mm and Φ20mm (with inner sleeve).
Working Temperature:	-50°C to 60°C
Warranty:	90 day limited against material and workmanship defects

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