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Macintosh Portable: Battery

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TOPIC -----

This article describes the Macintosh Portable sealed, lead-acid battery.

DISCUSSION -----

The Macintosh Portable uses a sealed, lead-acid (SLA) battery. SLA cells have a constant voltage drop as they lose their charge. This enables the Macintosh Portable to alert the user when power is running low.

The cycle life of an SLA battery varies depending on the depth of discharge. If the battery is discharged to 100% of the energy in the battery, the battery can get 200 charge/discharge cycles before it has to be replaced. If discharged to 25% depth, the battery can get 2,000 charge/discharge cycles. The recharging system used in the Macintosh Portable keeps the battery at full charge to extend the number of charge/discharge cycles.

The external battery recharger charges a spare battery when the user is still using the Macintosh Portable. It uses the same power adapter as the Macintosh Portable, and has the same power input requirements as the Macintosh Portable power adapter (120/240 VAC 50/60Hz). It includes a recharge cradle to hold the battery. The battery charger LED, located on the top of the unit, will display:

LED Color	Status
Amber (Yellow)	Charging
Green	Fully Charged
No Light	Replace Battery

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