

This article defines the time required to completely recharge the internal battery of an AT-3000 device and provides recharge rates at different time intervals.

## Full Charge

The AT-3000 takes approximately 7-8 hours to fully charge from a dead battery. In the first four hours, the battery will charge up to about 80% at full charging mode then switches to a lower charging mode for the remaining 20%.

## Battery Capacity and Drain

The AT-3000's battery capacity is 5200mAh. When running on the internal battery only, the device draws ~90mA @ 12V and ~45mA @ 24V of current from the battery. The actual drain on the battery varies depending on the device's configuration and activity.

## Charge Estimates

The below represents generalized estimates for the amount of charge required in relation to device activity:

| Device Activity (in minutes) | Battery Usage | Charge Required |
|------------------------------|---------------|-----------------|
| 5                            | 7mAh          | ~1-2 minutes    |
| 30                           | 45mAh         | ~5-10 minutes   |
| 60                           | 90mAh         | ~10-15 minutes  |