

## powerMonitor

Monitor power state changes.

Process: Main

### Events

The `powerMonitor` module emits the following events:

**Event: ‘suspend’**

Emitted when the system is suspending.

**Event: ‘resume’**

Emitted when system is resuming.

**Event: ‘on-ac’ *macOS Windows***

Emitted when the system changes to AC power.

**Event: ‘on-battery’ *macOS Windows***

Emitted when system changes to battery power.

**Event: ‘shutdown’ *Linux macOS***

Emitted when the system is about to reboot or shut down. If the event handler invokes `e.preventDefault()`, Electron will attempt to delay system shutdown in order for the app to exit cleanly. If `e.preventDefault()` is called, the app should exit as soon as possible by calling something like `app.quit()`.

**Event: ‘lock-screen’ *macOS Windows***

Emitted when the system is about to lock the screen.

**Event: ‘unlock-screen’ *macOS Windows***

Emitted as soon as the systems screen is unlocked.

**Event: ‘user-did-become-active’ *macOS***

Emitted when a login session is activated. See documentation for more information.

**Event: ‘user-did-resign-active’ *macOS***

Emitted when a login session is deactivated. See documentation for more information.

## Methods

The `powerMonitor` module has the following methods:

**`powerMonitor.getSystemIdleState(idleThreshold)`**

- `idleThreshold` Integer

Returns **string** - The system's current state. Can be `active`, `idle`, `locked` or `unknown`.

Calculate the system idle state. `idleThreshold` is the amount of time (in seconds) before considered idle. `locked` is available on supported systems only.

**`powerMonitor.getSystemIdleTime()`**

Returns **Integer** - Idle time in seconds

Calculate system idle time in seconds.

**`powerMonitor.isOnBatteryPower()`**

Returns **boolean** - Whether the system is on battery power.

To monitor for changes in this property, use the `on-battery` and `on-ac` events.

## Properties

**`powerMonitor.onBatteryPower`**

A **boolean** property. True if the system is on battery power.

See `powerMonitor.isOnBatteryPower()`.