

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\(\)`](#).