Charging

Wifi time window starts
and
Charging not needed

Finished Charging
or
Bird leaves nest

Charging needed

Wifi time window is over
or
Charging needed

Idle

Wifi time window is over

Initial

Communicating

Wifi time window starts

Initialize State

```
┌─────────────────────────┐
│                         │
│   Initialize all drivers│
│                         │
└─────────────────────────┘
            │
            ▼
      ╭───────────╮
     (  Go to IDLE )
      ╰───────────╯
```