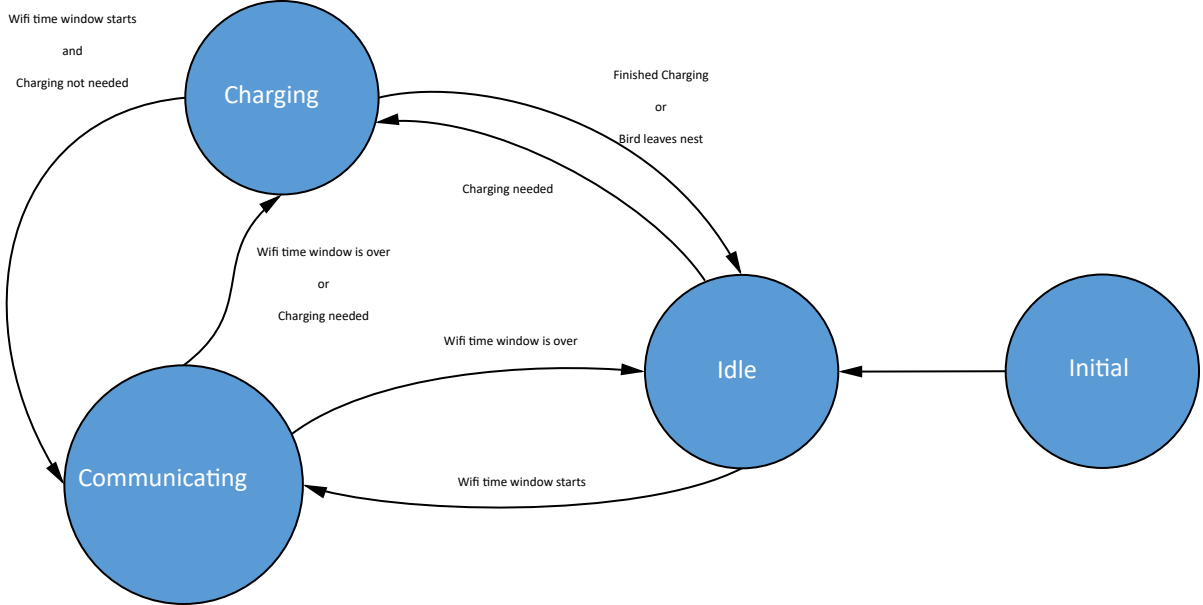
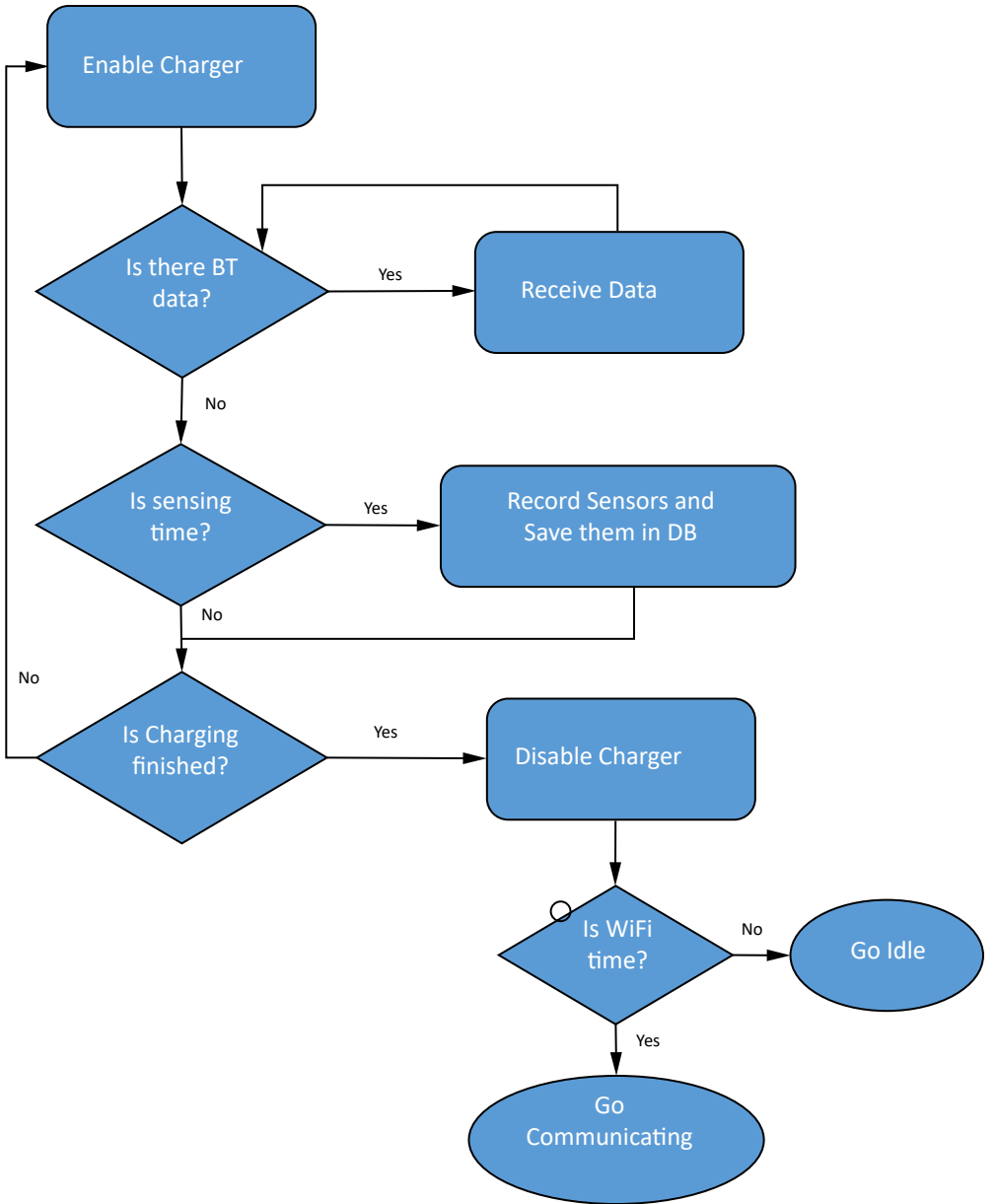
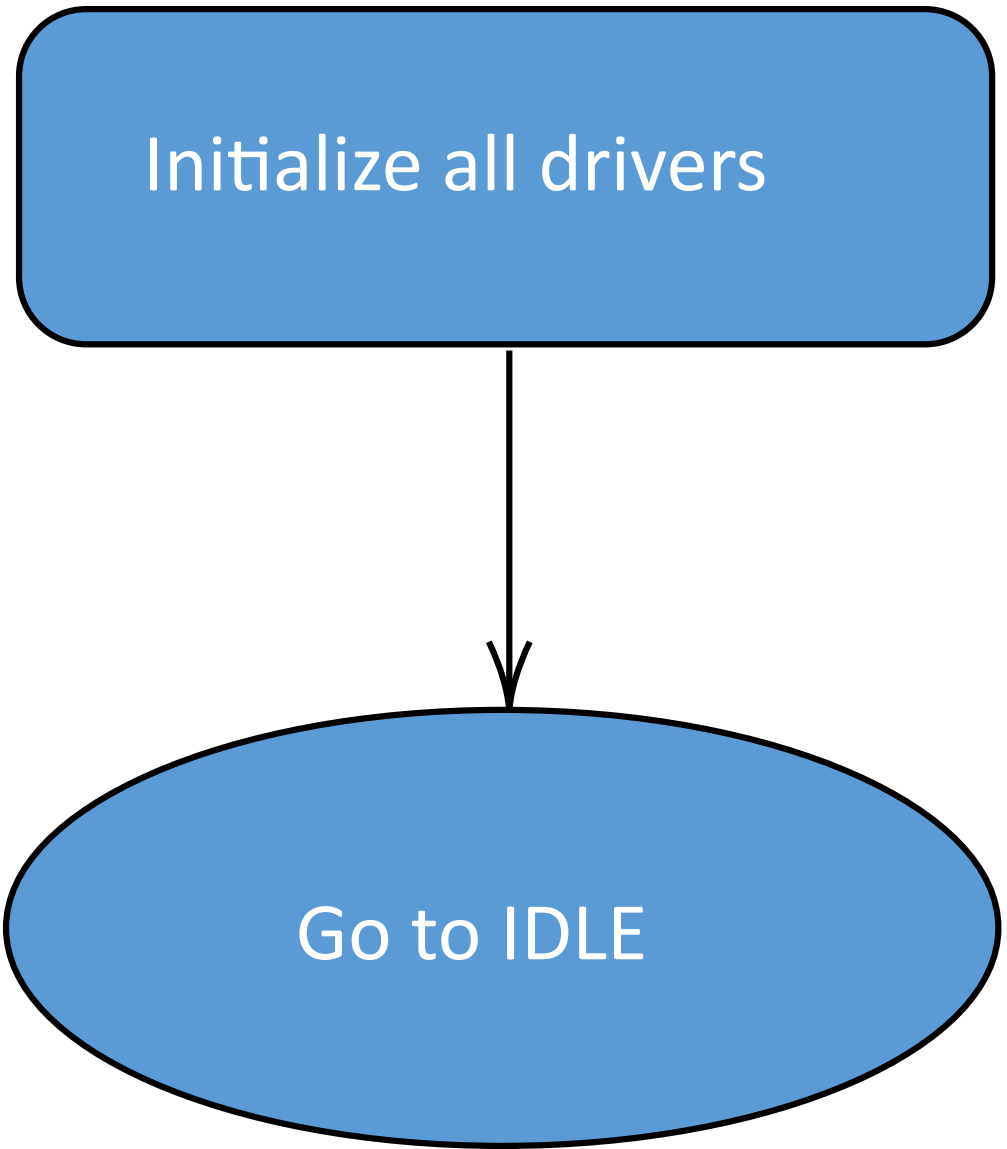
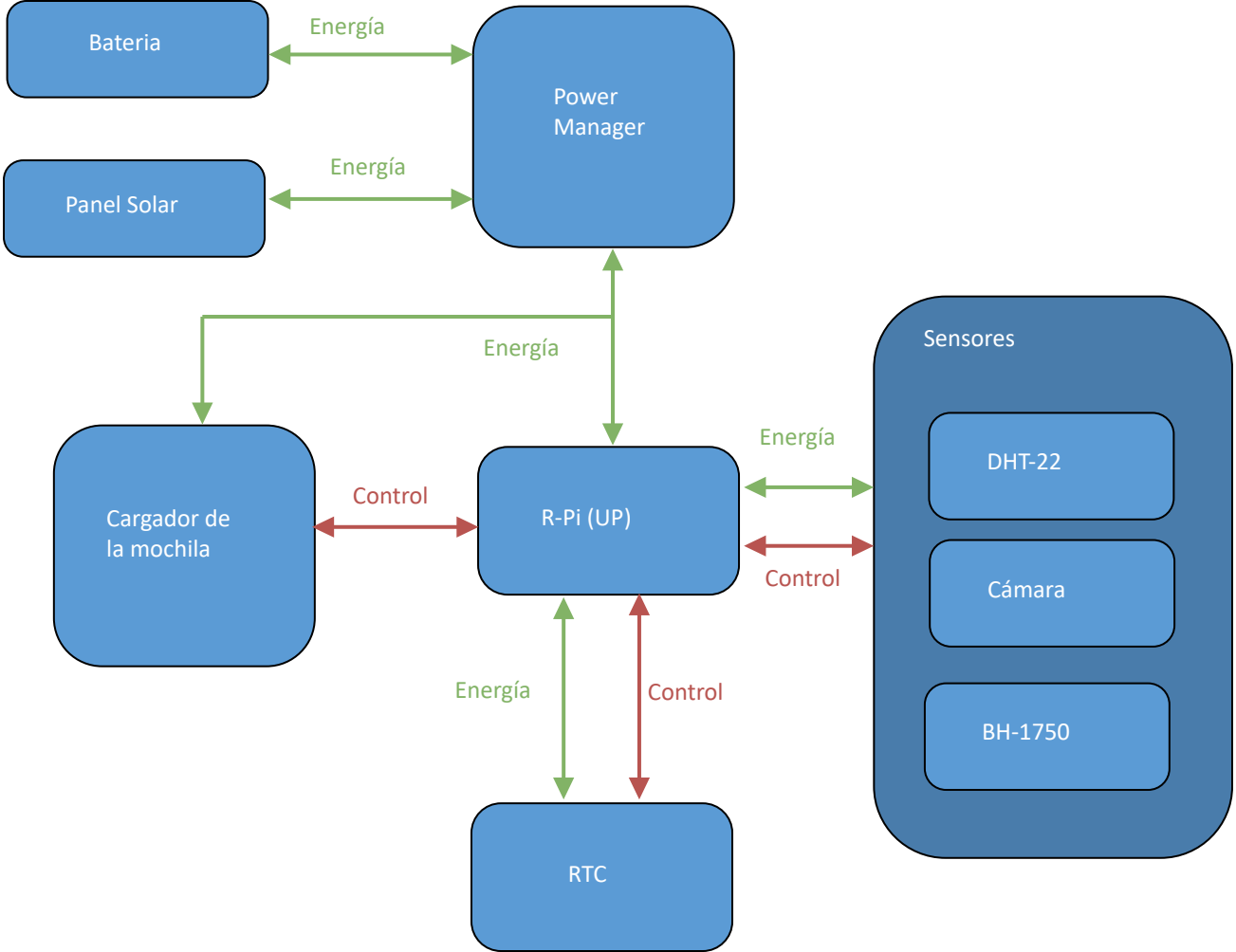

Wifi time window starts
and
Charging not needed
Charging
Finished Charging
or
Bird leaves nest
Charging needed
Wifi time window is over
or
Charging needed
Wifi time window is over
Idle
Initial
Communicating
Wifi time window starts

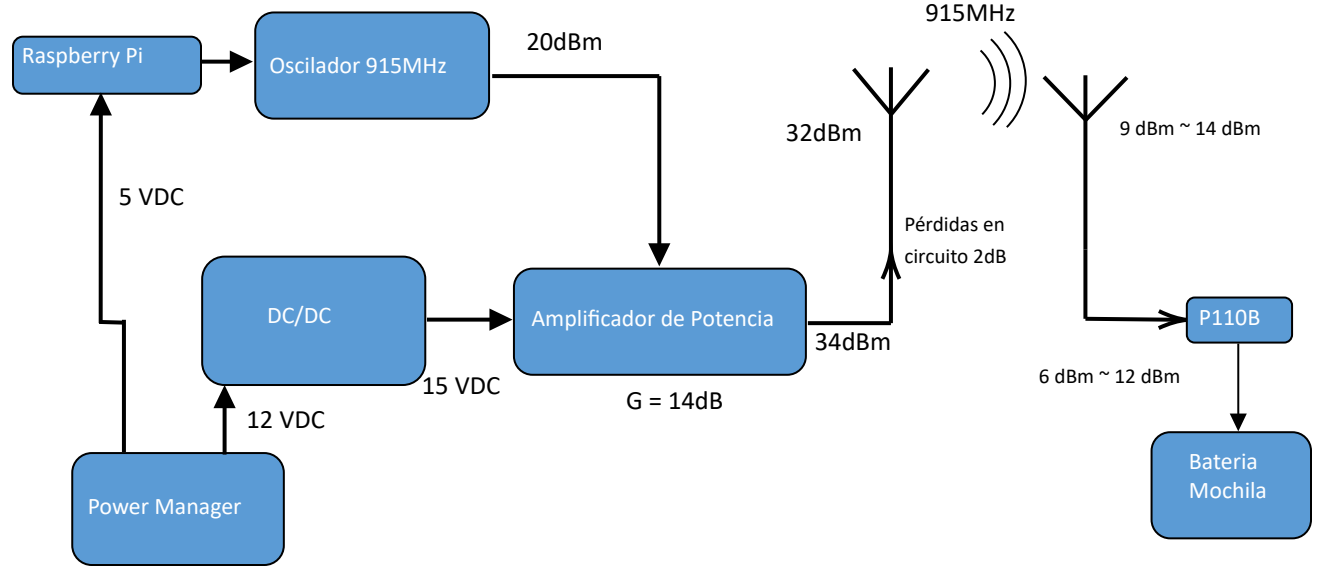
Charging state



Initialize State




Bateria
Energía
Power Manager
Panel Solar
Energía
Energía
Sensores
Energía
DHT-22
Cargador de la mochila
Control
R-Pi (UP)
Control
Cámara
Energía
Control
BH-1750
RTC


Raspberry Pi
Oscilador 915MHz
20dBm
915MHz
32dBm
9 dBm ~ 14 dBm
5 VDC
Pérdidas en
circuito 2dB
DC/DC
Amplificador de Potencia
P110B
34dBm
15 VDC
G = 14dB
6 dBm ~ 12 dBm
12 VDC
Power Manager
Bateria
Mochila