ALARM SCS HYBRID

Andres Albanese, Ph. D.
myhomevillage.com
Sesto Fiorentino (FI)
November 24 2009

ALARM SCS HYBRID

These slides describes a My Home implementation for an alarm system that are powered by batteries charged using solar cells and power supplies only when needed. The charge condition of the batteries are constantly monitored by dedicated solar charge controllers to guarantee operation of the SCS bus during long black out times and periods of poor sun exposure. The AC power serves as backup when the battery charge is low because of low solar irradiation.

ALARM SCS HYBRID ?

Alarms powered by three energy sources:

1) Solar Cell Panels

2) DC Battery
   (Charged by Solar Cells Panels on sunny days, and AC battery chargers when needed)

3) Electricity Provider
   (Managed by battery regulators)

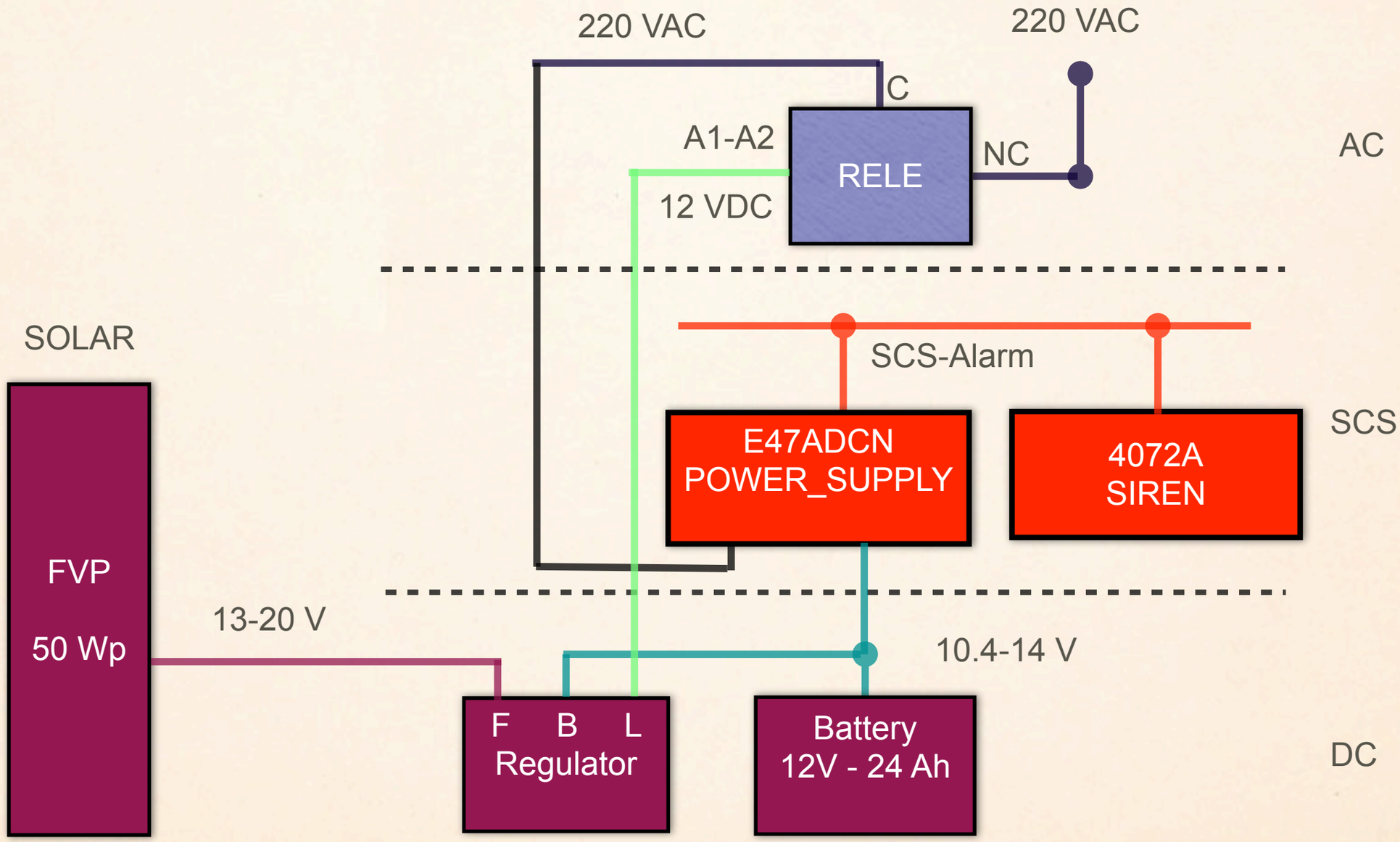
SCS HYBRID

AC: 220 V Power Supplies and Relay

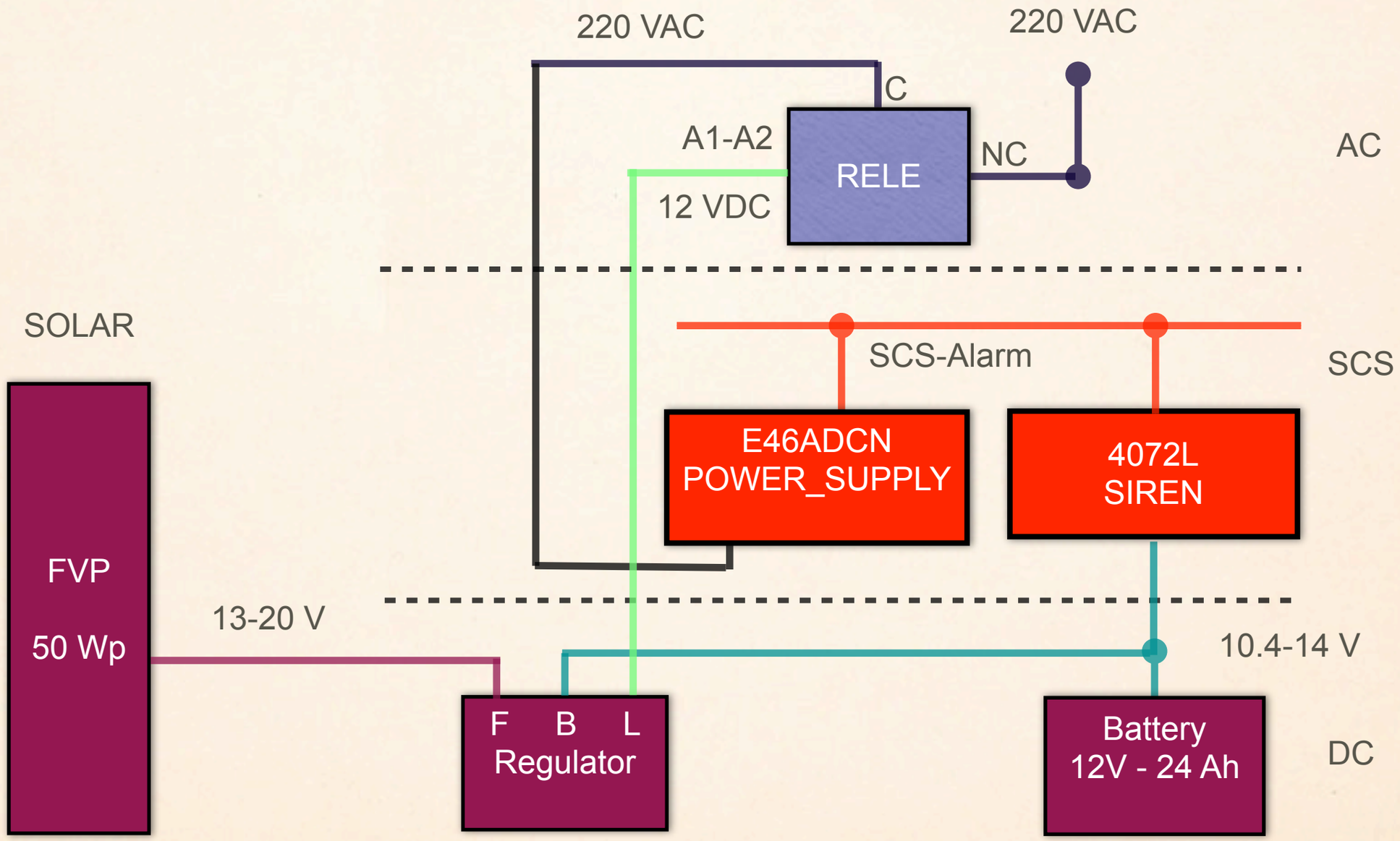
SCS: 28 V DC Security Central and Sensors

DC: 12v or 24V Solar Cells Panel & Battery Regulators

AI-SCS HYBRID (4072A)



AI-SCS HYBRID (4072L)



AI-SCS HYBRID (24V)