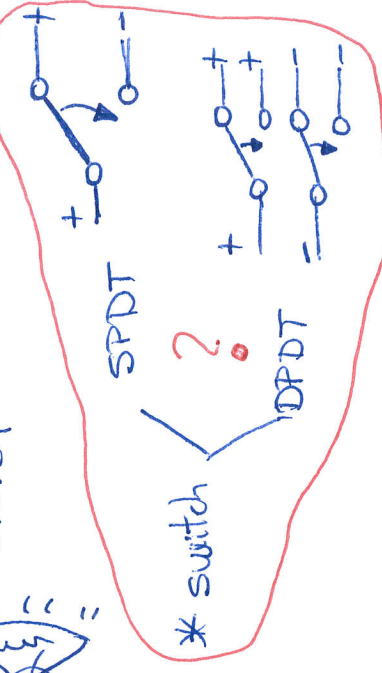


* ONLY EXCESS of power is going to power grid *

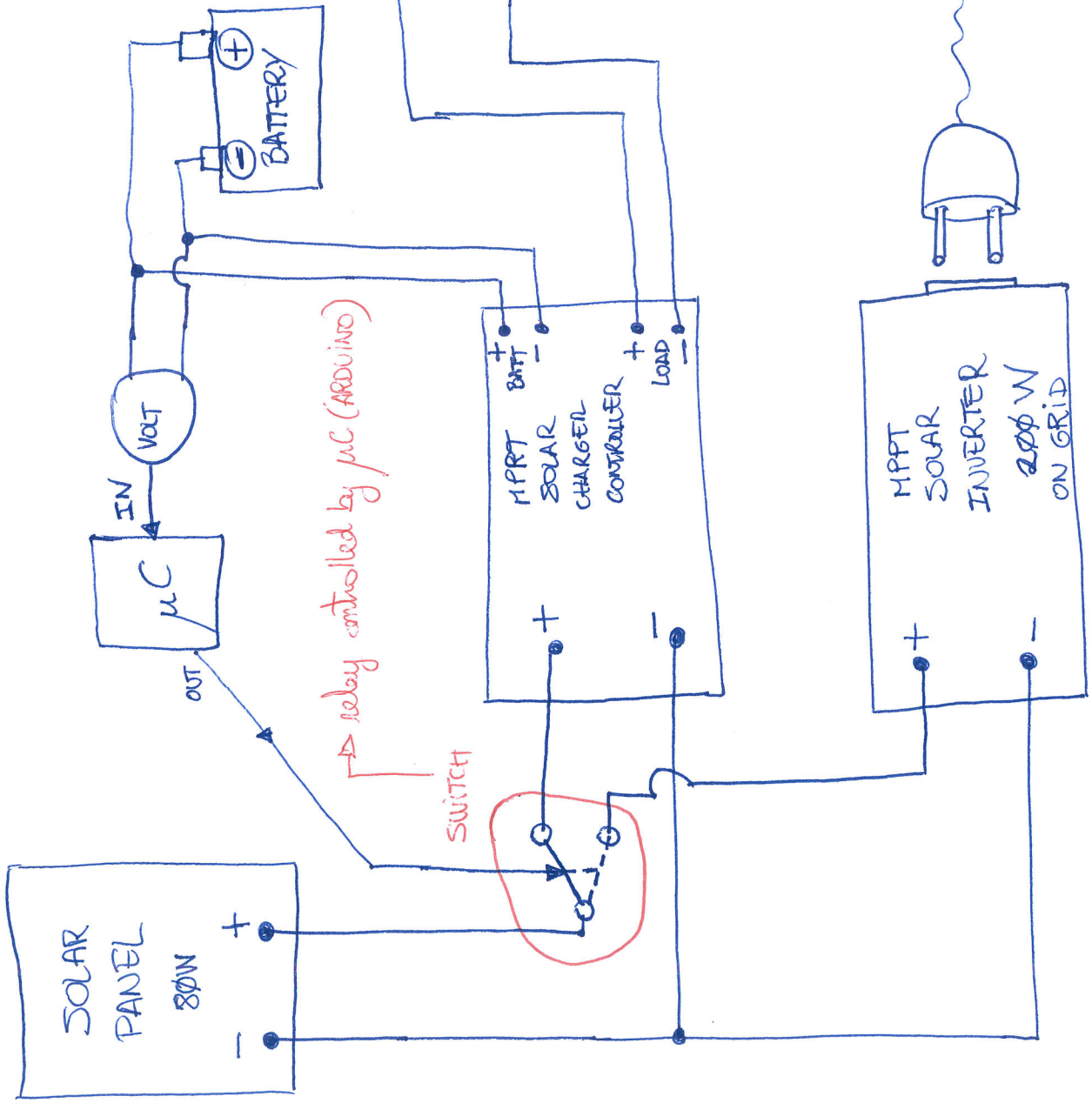
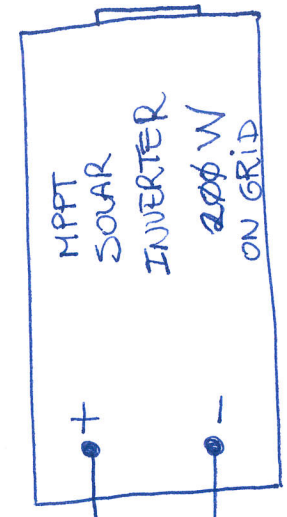
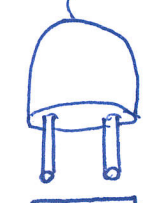
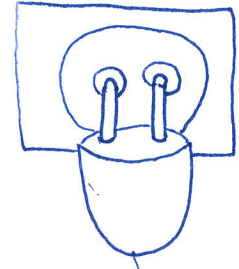
$V_{OLT} < 12\text{ VDC} \Rightarrow$ switch congers to battery (MPPT solar charger controller)
 $V_{OLT} > 13.5\text{ VDC} \Rightarrow$ switch congers to inverter

HOME DC SYSTEM



* switch

POWER GRID HOME AC SYSTEM



relay controlled by µC (ARDUINO)

SWITCH

MPPT SOLAR INVERTER 2000 W ON GRID

SOLAR PANEL 80W

µC

VOLT

BATTERY

MPPT SOLAR CHARGE CONTROLLER

MPPT SOLAR INVERTER 2000 W ON GRID