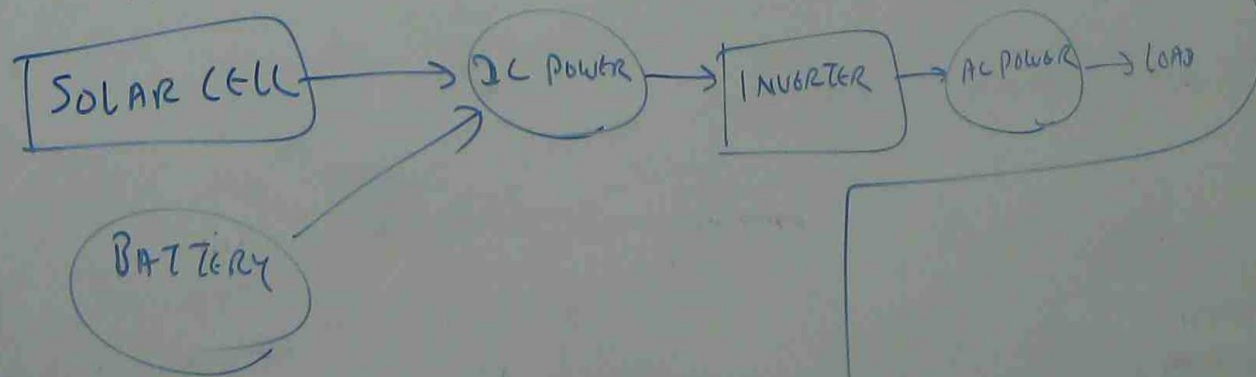


PV SYSTEM CONFIGURATION & APPLICATIONS

System Components

PHOTO VOLTAGE ENERGY IS ONLY AVAILABLE DURING DAY LIGHT HOURS. SOME FORM OF ENERGY STORAGE IS NECESSARY IF POWER IS REQUIRED AT NIGHT. THIS IS PRODUCED BY BATTERIES.

IF THE SYSTEM MUST SUPPLY AC LOADS, AN INVERTER MUST BE CONNECTED TO CONVERT THE DC POWER FROM PV ARRAY AND BATTERIES TO AC POWER



CIRCUIT PROTECTION IS AN ESSENTIAL PART OF A WELL DESIGNED P.V SYSTEM. THIS TAKES THE FORM OF MAIN FUSING ON THE BATTERY AND FUSES AND CIRCUIT BREAKERS FOR SOLAR ARRAYS AND LOADS.

