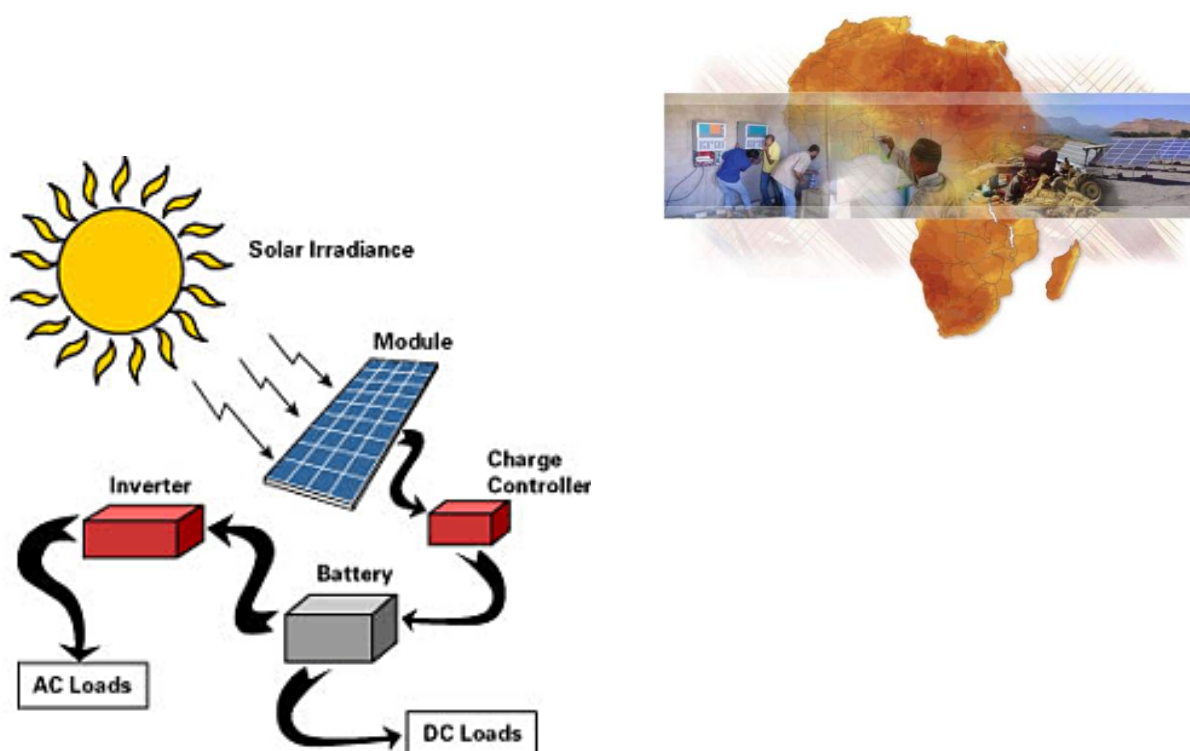


OFF-GRID with with artificial 230V mains

LOCAL ELECTRIC ENERGY :

We supply standard sets of solar energy packs to have electric energy on rural sites. Each set contains high quality modules a warranted power.

You can use the system to provide electric energy for small housekeeping, to feed some energy for saving lamps, television, (laptop) computer, charging a mobile phone and so on, for a few hours a day. With extra PV modules and batteries, and also a bigger invertor, you can have enough energy for more consumers or a small pump system.



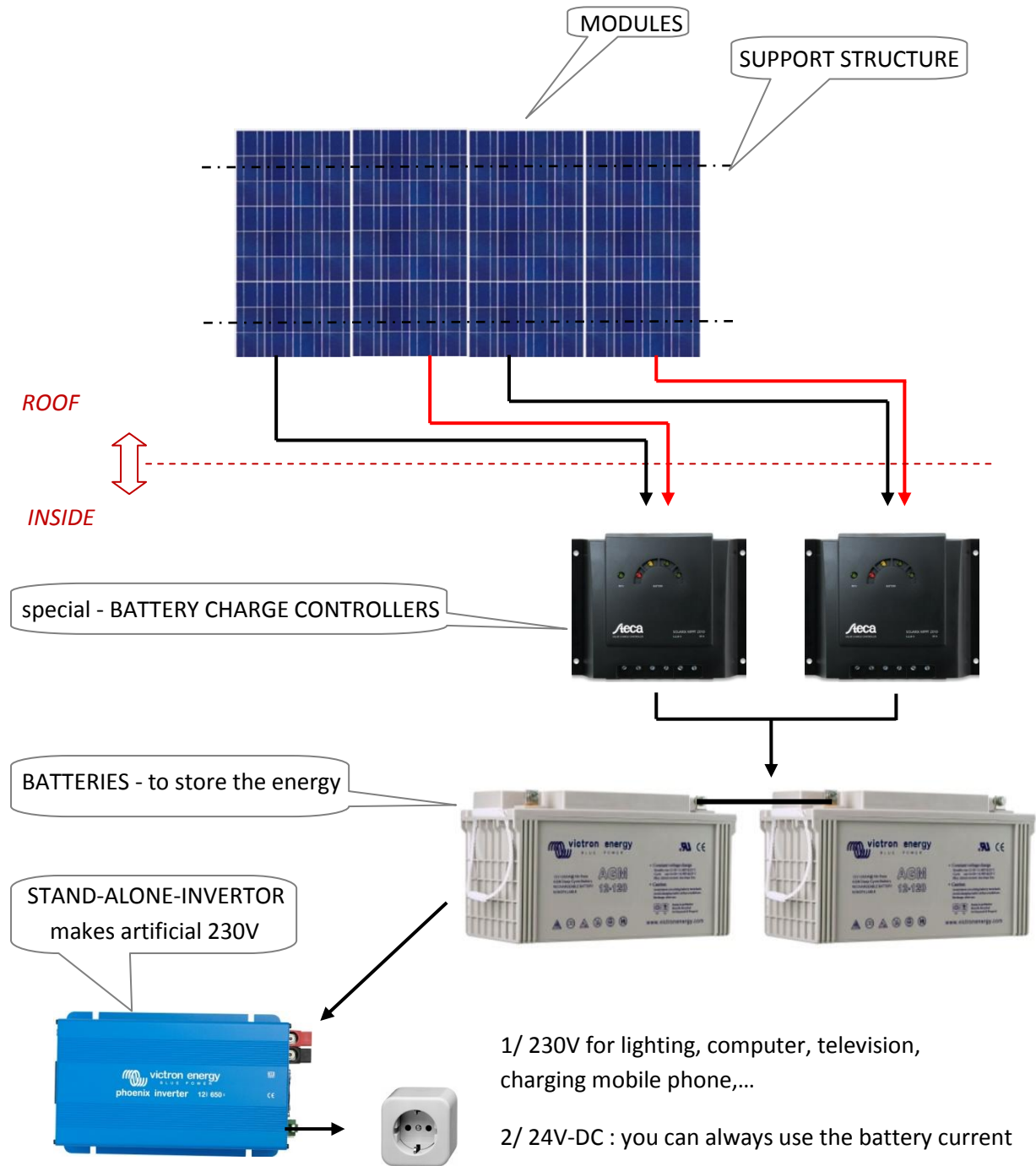
LOADS :

Some loads can work on the direct current (DC) from the batteries. The charge controller has an output, especially for DC loads. In this case, the controller shall save the batteries against deep discharge. With a DC/DC-converter, you can transfer the 24V to 12V.

Deep discharge is the dead of batteries. They are protected by the low-battery-detection in the regulator or in the input of the invertor.

With the stand-alone invertor, you can make 230V (or 130V) AC, useful for small electric devices. Per example, 230V for lighting (energy saving lamps), computer, television, charging mobile phone,...

PLAN OF THE SYSTEM



PREPARED IN ADVANCE :

All components, wiring, connectors and supporting structure is ready to fix. In the package, you find a very easy-to-install manual with pictures and drawings.

EXTENTION CABLE - (2- 20m) – with connectors



PRE-WIRED MODULES (to click-in)



THE RESULT : MODULES



**BATTERY CHARGE CONTROLLER (Regulator)
STECA (example MPPT2010)**



MOUNTING ON DIFFERENT ROOF TYPES



Project “SOLEIL ” in Popokabaka (2011) (République of Congo)