

## **2 ProStar - Parallel Configuration**

The parallel ProStar configuration allows separate control over two different loads while sharing the same battery bank. Each controller is connected to its own PV array. The battery bank(+) is connected to battery(+) of both controllers. Likewise, the battery bank(-) is connected to battery(-) of both controllers.

The load on each of the controllers is not to exceed the rated limit. If a load of greater current rating is required, connect the load to the battery bank. Refer to the, *ProStar with Load Relay* document which explains how to connect a load directly to a battery bank and still have control over the load by the controller.

### **Important:**

It is not possible to parallel a higher rated load on the load terminals of both controllers. The reason for this is because one controller may go into LVD first forcing a high current load onto the other controller, damaging the unit.

