



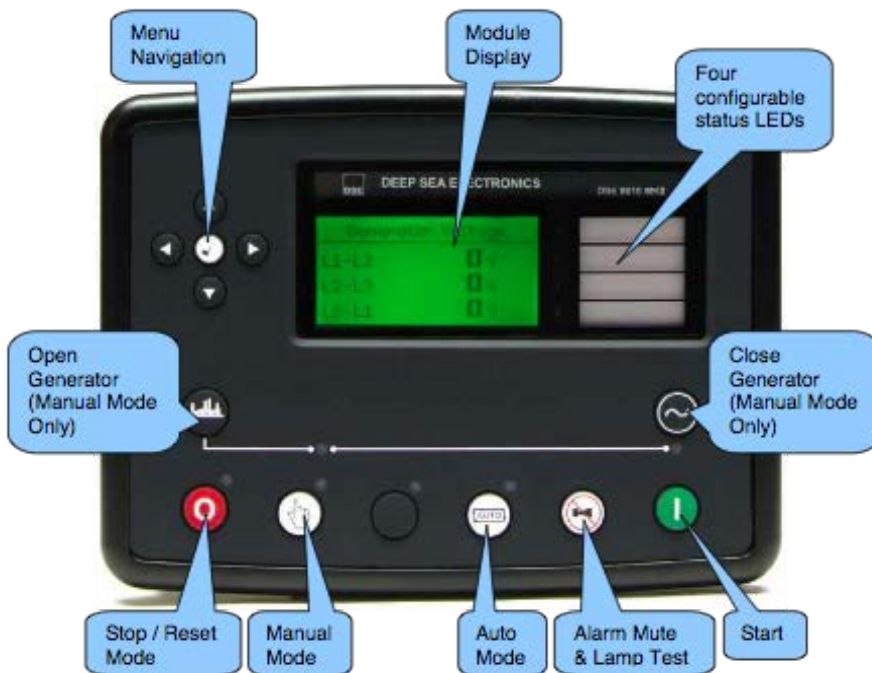
MCRCD/HREC PP30 Synchronizing

Off Grid Using Load Bank

1. Check all camlock cables are plugged in correctly and secure
2. Start one or both PP30's depending on use case (see *PP30 Gasifier Engine Startup*)
 - a. Wait for "Gen avail" (Generator Available) lights to come on
3. Once the light comes on press the **Close Generator Button** on one unit. This will immediately close the first generator to the bus and the **Bus Live** LED will light
4. If only running a single PP30 - increase the load steps on the load bank (Image Set 2) one at a time (smallest kW increments) until the target or max load of 20kW is reached. Otherwise, wait until the second PP30 is synchronized (below) to add load.

Configurable Status LEDs

1	Bus Live
2	Generator Available
3	Contactor Closed
4	Power Export



PP30 to PP30 Synchronizing

1. Once the first PP30 is connected to the bus, press the **Close Generator Button** on the second unit which will sync it with the first unit, but which can take one minute or more. When synchronized the **Contactor Closed** LED will light
2. Increase the load one step at a time (smallest kW increments) until the target load is reached, which is 40 kW for both PP30 Power Pallets together



Image Set 2

SYNCHRONIZING PROCEDURE COMPLETE