

# BP35 Testing

## Step 1 – Disconnect

1. Unplug mains
2. Unplug battery terminals, check for loose/damaged terminal
3. Unplug solar terminals, check for loose/damaged terminal
4. Unplug chassis strap on negative output 1

## Step 2 – Check while waiting for BP35 to discharge

1. Check battery voltage matches from batteries to battery terminals at BP35
2. Check panel voltages (open circuit test)
3. Check panel amperage (short circuit test)
4. Check solar cables for shorts to ground using chassis strap or another suitable ground.

## Step 3 – Reconnect cycle

### Batteries not charging on mains:

1. Connect and power up mains, check lights
2. With mains on, connect battery terminals
3. Connect solar terminals- Negative in rear, Positive in front
4. Check to see if any charge is going to the batteries by status light, digital display and clamp-meter, if available
5. Check closed circuit voltage of battery terminals while connected to BP35

### Batteries not charging on solar:

1. Connect battery terminals
2. Connect solar terminals- Negative in rear, Positive in front
3. Check closed circuit voltage is above 17.5v while connected to BP35
4. Check to see if any charge is going to the batteries by status light, digital display and clamp-meter, if available
5. Connect and power up mains after testing is complete.

## Step 4- Report and claim

1. Contact CES via [support@caravanelectricalsolutions.com.au](mailto:support@caravanelectricalsolutions.com.au) or 03 9303 7033 (7:30-4pm Mon-Thu, 7:30-3:30 Fri) to lodge a claim
2. Provide chassis number, date of purchase, model of BP35, description of fault and results of the above testing.

*We will contact you if any clarification or further tests are needed to process the claim.*