

TROUBLESHOOTING

Troubleshooting Common Problems

2. If the specific gravity of the electrolyte is below the problem level and BATT/LOW (red) LED is glowing, the following may be observed:

- ❖ **Load:** This may be drawing more current from the battery than required. In such case, battery is bound to get discharged, even if SPV Panel is functioning properly. This would result in frequent tripping of the load. To avoid this, get the load equipment checked and replace any defective components.
- ❖ **SPV Panel:** The SPV Panel may not be producing required power for which the power Source has been designed. In that case, check the SPV Panel. Measure the voltage and current of each module after disconnecting the wire.
- ❖ **Failure of blocking diode:** Blocking diode fails in short circuit and open circuit mode. If it is failed in short circuit mode, voltage across its terminal will be zero in place of 0.7 V while charging current flows through it. When it fails in open circuit mode, the current will not flow through the diode. The diode may be checked as per standard method of checking of diode by removing from the circuit.