

TROUBLESHOOTING

The SPV power source is reliable source of electrical energy. However, there may be rare instances, when the SPV power source is not able to drive the connected equipment.

The diagnosis of the problem in such situations starts with the battery. Check the voltage of the battery bank. If the voltage of the battery bank is correct as indicated in charge controller, there may be problem in the inverter or switch between load and inverter i.e., either inverter is tripped or switch/load MCB is tripped or load fuse is blown off. If none of the above fault is observed the specific gravity of the electrolyte in the secondary cells of the battery.

Troubleshooting Common Problems

1. If the specific gravity is above the level 1.2 (Hydrometer reading 1200) value or as specifies as in the maintenance manual, it implies that the battery is in order and the problem would be either with the charge controller or load. Disconnect the load (S & T Equipment) from charge controller and connect it directly to the battery bank. If the equipment operates, the defect may be with the charge controller and check as per troubleshooting instructions given in the manual supplied with it or inform the manufacturer/supplier.