



INNOVATIVE ENERGY SYSTEMS, INC.

## S-1000 Operation Instructions

### ABSTRACT:

The DeSulfator S-1000 will provide two (2) functions critical to extended battery life. These are:

1. The unit will provide a variable frequency, variable voltage boost output which will reduce the types 1, 2, and 3 sulfation deposits which form as a result of deep discharge and periods of non-use.
2. The unit will provide positive charging current to overcome intrinsic self-charge losses due to battery storage.

### MOUNTING LOCATION:

1. The solar module should be mounted in a location which will receive maximum exposure to sunlight and minimum exposure to shadows. Artificial lighting will not provide adequate intensity or spectrum to properly power the unit. Natural outdoor light will provide the proper intensity and spectrum, even in heavy overcast weather to power the unit.
2. The control box should be mounted in immediate proximity of the battery set.

### WIRING:

1. Connect the S-1000 control box to the battery set. The connection must be of high quality and low resistance. The battery leads are marked for red for positive and black for negative. *If this step is not completed first, damage may occur to the S-1000.*
2. Connect the solar module to the control box termination marked "TO SOLAR".