



INNOVATIVE ENERGY SYSTEMS, INC.

S280 Operation Instructions

ABSTRACT:

The DeSulfator S280 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-discharge 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 S280 control box to the battery set. The connection must be of high quality and low resistance. The battery leads are marked red for positive and black for negative. *If this step is not completed first damage may occur to the S280.*
2. Connect the solar module to the control box termination marked "TO SOLAR."