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SPS SOLAR INFORMATION

The SPS 600 and SPS 1000 have built in solar controllers as standard giving you the option to attach solar panels. If solar panels are connected, they will automatically give power to the SPS when there is no AC power. This helps reduce battery drain and allows longer run-times during an outage. **Deep cycle batteries begin to degrade if they are discharged by more than 30% and more significantly if they are taken below 50%. Having solar panels helps reduce battery drain.** Longer battery life will be achieved by properly managing the system and using as little battery power as possible each time before recharging. The larger the power requirement (the more you have plugged in) the faster the batteries will drain and the run time you get is reduced. Draining the batteries too deeply and too often will require them to be replaced every 12-24 months.

The important factor when connecting panels is the **VOLTAGE**. As long as the voltage is correct then the Wattage is up to the user. For example, you can have a 100W panel, 200W panel or a 300W panel or a combination of these as long as the VOLTAGE is correct for your particular SPS model.

The SPS 600 needs an optimum solar panel voltage of 15 – 18v. We recommend using 18v panels as these are widely available. Do not use panels with a voltage lower than 15v or higher than 25v.

The SPS 1000 needs an optimum solar panel voltage of 30 – 32v. We recommend using 36v panels as these are widely available. Do not use panels with a voltage lower than 30v or higher than 50v.