



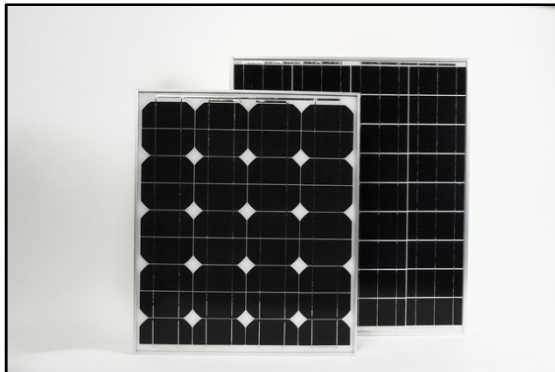
## Solar Power Options

Radarsign's solar powered radar speed signs, the TC-500S (12" display) and the TC-1000S (17" display), are excellent choices when a permanent location is desired or when an AC power source is not readily available or is expensive to run. Each model houses two 12 volt 18 AMP/hour, deep cell, spill proof long life batteries that:

- Provide safe operation in any position
- Are UL recognized under file number MH14328
- Have an operating temperature range of -4 degrees F to 138 degrees F



Our unique SmartCharge energy management software ensures an orderly shutdown of the signs whenever battery power approaches 20% of the remaining charge. This ensures that the battery life is maximized. Completely exhausting the battery power reserves diminish the battery's ability to recharge fully. The next day of just a couple hours of sun will reactivate the sign.



There are two solar panel sizes to choose from, a 40-watt panel or a 65-watt panel.

**40-watt solar panel:** The TC-500S and the TC-1000S will run efficiently enough to operate 24/7 in most of the United States geography. Even a week of total darkness would not keep either sign from operating. Another benefit of the 40-watt panel is that it is small enough (25" x 21") to be unobtrusive in a neighborhood setting.

**65 watt solar panel:** Recommended for locations in northern latitudes and for sites where speeding traffic volume is very high (> 15,000 vehicles per day).

To determine the best solution for your needs, refer to the US City solar energy averages summary to determine the hours per day of solar energy where you live. Once you have determined your solar energy hours refer to the traffic volume and power estimates summary to determine whether you need a 40-watt or 65-watt panel