

Solar Power Options

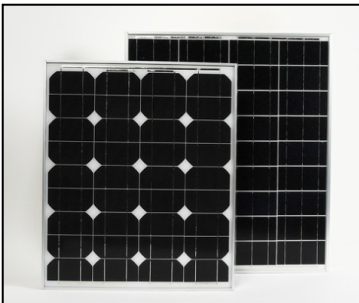


Radarsign's solar powered radar speed signs, the TC-500S (12" LED display) and the TC-1000S (17" LED display), are excellent choices when a permanent location is desired or when an AC power source is not readily available or is expensive to run. Each model houses two 12 volt 18 AMP/hour, deep cell, spill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

- Provide safe operation in any position
- Are UL recognized under file number MH14328
- Have an operating temperature range of -40°F to 138° 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 the solar energy hours of your location refer to the [traffic volume and power estimates summary](#) to determine whether you need a 40 watt or 65 watt panel.