Solar Array Selection Guide

To determine the correct number of solar panels to order, first find your location, then refer to the corresponding region (by color) on the chart. The size of the solar array you will need depends on two major factors:

1. The amount of sun in the location where you will be using the equipment.
2. Your latitude (how high or low the sun is in the sky)

Solar Requirements for Optimal Configurations for All-Year, Full-Time Operation of selected Solar Technology, Inc. Equipment

Full-Size, Full-Matrix	
SOLAR	# BATTERIES
330	8
270	6
270	4
160	4

Full-Size, 3 Line 8 Chr*	
SOLAR	# BATTERIES
220	8
220	6
220	4
160	4

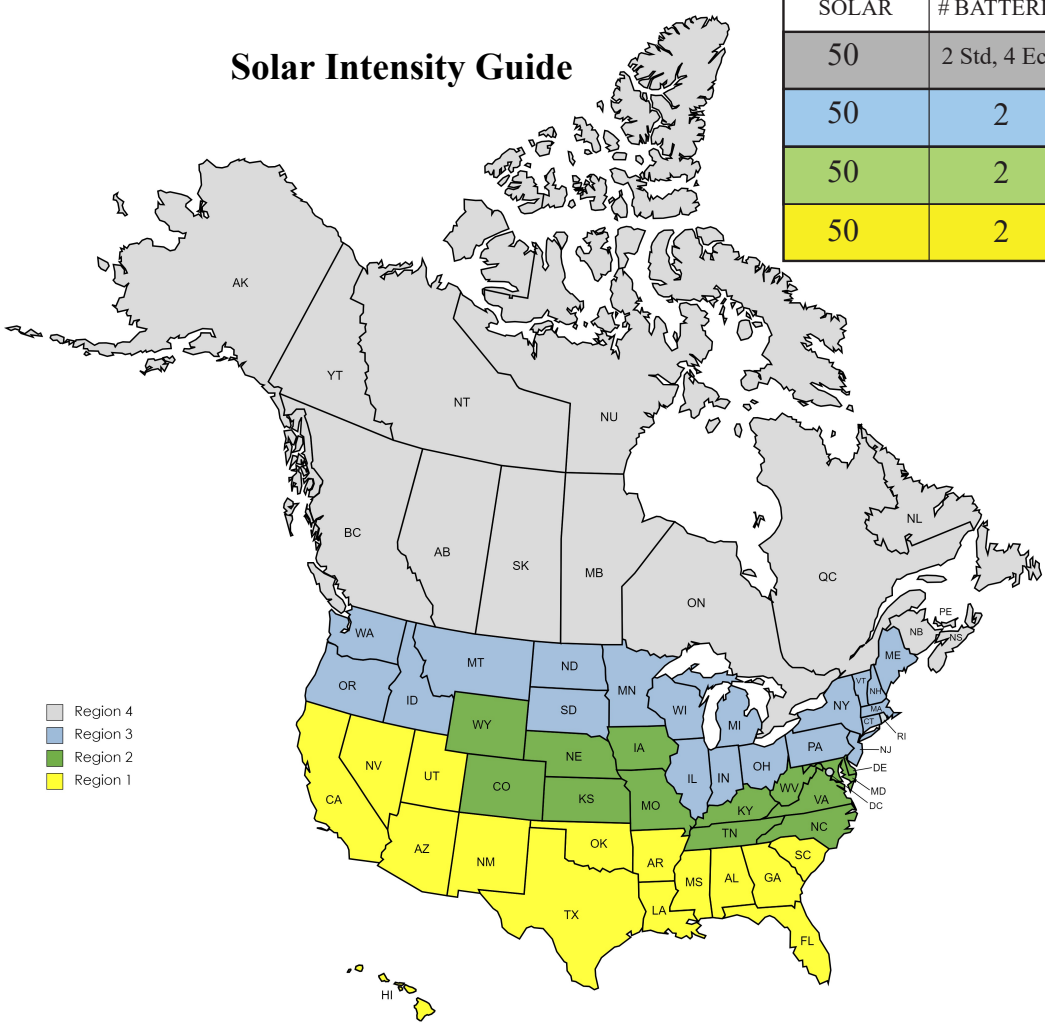
Mid-Size, Full-Matrix (MB2 & MB3)	
SOLAR	# BATTERIES
270	6
220	4
160	4
160	4

Mid-Size, 3 Line 8 Chr*	
SOLAR	# BATTERIES
220	6
160	4
160	4
160	4

Arrow Boards**	
SOLAR	# BATTERIES
50	2 Std, 4 Eco
50	2
50	2
50	2

RADAR Speed Trailers (RST-1000 & 2000)*	
SOLAR	# BATTERIES
160	4
110	2
110	2
110	2

Solar Intensity Guide



Things to Consider:

The most productive hours of sunlight are from 9:00 am to 3:00 pm. Before and after these hours electricity is still generated, but at much lower levels. With our MPPT Charge Controller, we recover energy at the greatest rate possible by utilizing the full capabilities of the Solar Array.

The intensity level of the display is automatically adjusted based on ambient light levels. The higher the intensity of the display, the more energy the display is consuming. More hours of sunlight in the hottest days of July also mean more hours at full intensity for the display. So although the sign is receiving more sun, it is also consuming more energy.

SOLARTECH®
As Reliable as the Sun

* Recommendations based on MicroTech Control Console, Solar may change if upgraded to MegaTech Control Console.
** Arrow board configuration based for both Std and Eco models, however additional batteries are required in ANY region when adding communications to Eco. RST-V-2000 models require 160 watt solar with 4 batteries for any region. Please consult us for further configuration choices. Call your Solar Technology rep or our Support Team at **610-391-8602.**