

LA500

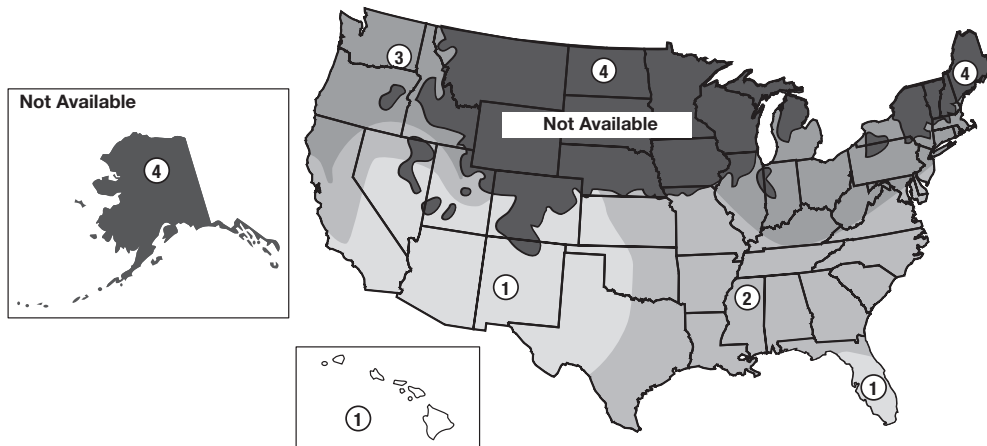
SOLAR GATE ACCESS SYSTEM DAILY CYCLE CHART

The LA500 Solar Gate Access System utilizes an innovative Power Management System to deliver power when needed most for operating a gate while minimizing power consumption at all other times. Power is provided to the gate operator via batteries. The batteries are charged from a solar panel(s) connected to the operator control board. The number of solar panels required is determined by whether the application is for a single or dual gate, daily cycle rate, number of accessories and region of the country.

The map and daily cycle rate shown are approximations based upon the average solar radiation and the temperature effects on batteries in the given regions. Local geography and weather conditions may require additional solar panels. Low Power Draw or Wireless Accessories are recommended in order to minimize power draw, as added accessories draw power and affect the daily cycle rate.

Solar panel(s) must be located in an open area clear of obstructions and shading for the entire day. Snow, heavy fog or heavy rain affect solar panel performance and charge rate. The LA500 is not supported in climates where temperatures reach below -4°F. This is due to the effect of cold weather on batteries and a reduced number of hours of sunlight during the winter months. Solar panels should be cleaned regularly to ensure proper operation.

Expansion board and LiftMaster® Internet Gateway not recommended for solar applications. These features will substantially decrease the cycle rate and standby time.



NUMBER OF CYCLES PER DAY (SOLAR-SINGLE SWING GATE)				
Swing Gate Installation (12 ft. 800 lb. gate)	ACCESSORY POWER DRAW (mA)	ZONE 1 (6 Hrs sunlight/day)	ZONE 2 (4 Hrs sunlight/day)	ZONE 3 (2 Hrs sunlight/day)
		(2) 33AH batteries required	(2) 33AH batteries required	(2) 33AH batteries required
20W SOLAR PANEL <i>NOTE: 20W would be two 10W (12V) panels in series.</i>	0	118	66	43
	50	71	25	
	100	30		
40W SOLAR PANEL <i>NOTE: 40W would be two 20W (12V) panels in series.</i>	0	283	166	112
	50	227	116	66
	100	174	69	25
	200	76		
60W SOLAR PANEL <i>NOTE: Must Use 24V Panel</i>	0	300	270	185
	50	300	215	134
	100	300	162	86
	300	116		

NUMBER OF CYCLES PER DAY (SOLAR-DUAL SWING GATE)				
Swing Gate Installation (12 ft. 800 lb. gate)	ACCESSORY POWER DRAW (mA)	ZONE 1 (6 Hrs sunlight/day)	ZONE 2 (4 Hrs sunlight/day)	ZONE 3 (2 Hrs sunlight/day)
		(2) 33AH batteries required	(2) 33AH batteries required	(2) 33AH batteries required
20W SOLAR PANEL <i>NOTE: 20W would be two 10W (12V) panels in series.</i>	0	51	28	18
	50	31	11	
	100	13		
40W SOLAR PANEL <i>NOTE: 40W would be two 20W (12V) panels in series.</i>	0	122	71	48
	50	98	50	28
	100	75	30	11
	200	32		
60W SOLAR PANEL <i>NOTE: Must Use 24V Panel</i>	0	195	116	79
	50	169	92	57
	100	143	69	37
	300	50		

Number identifies zone. LA500 not supported/available in Zone 4.