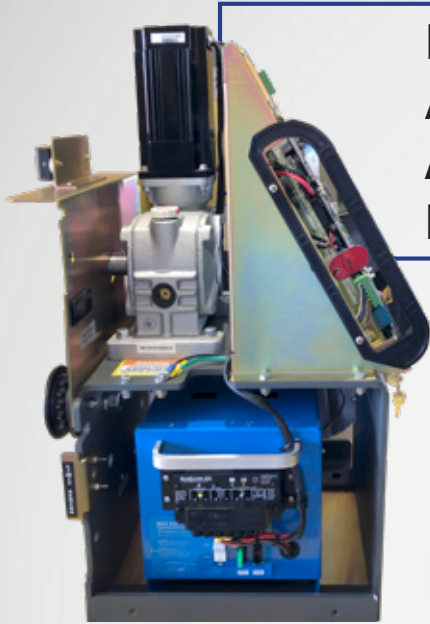
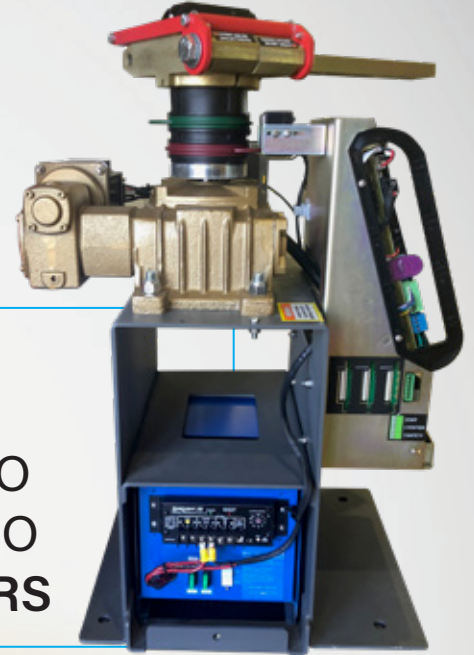


# QUICK INSTALLATION GUIDE

## MAX SOLAR PACK



Max Solar Pack  
Available for  
**ALL SLIDE OPERATORS  
PRO SERIES**



Max Solar Pack  
Available for  
**MEGA 1400 HP PRO  
MEGA 2200 HP PRO  
SWING OPERATORS**

Heavy Duty Sheet Metal  
Gold Zinc Powder-Coated

Handle

Solar  
Regulator  
24V, 10A  
(Morning  
Star)

1 Year Warranty

ON/OFF  
Switch

Fuse  
30A

AGM Battery  
(Absorbant Glass Material)  
24V, 35A / Hr  
2 x 12V Batteries  
YUASA

Power Cable

Power IN/Solar IN  
on MATRIX III



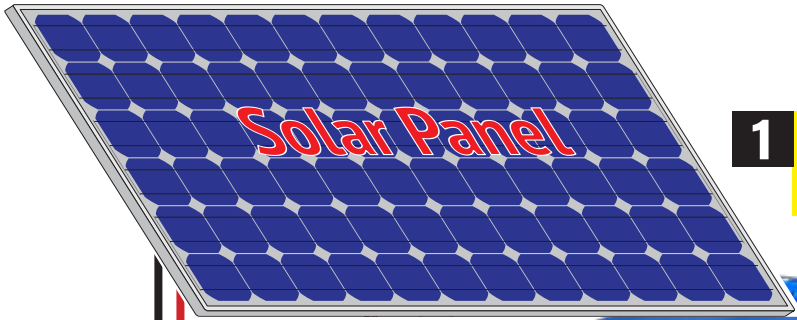
Made in USA

Rev4



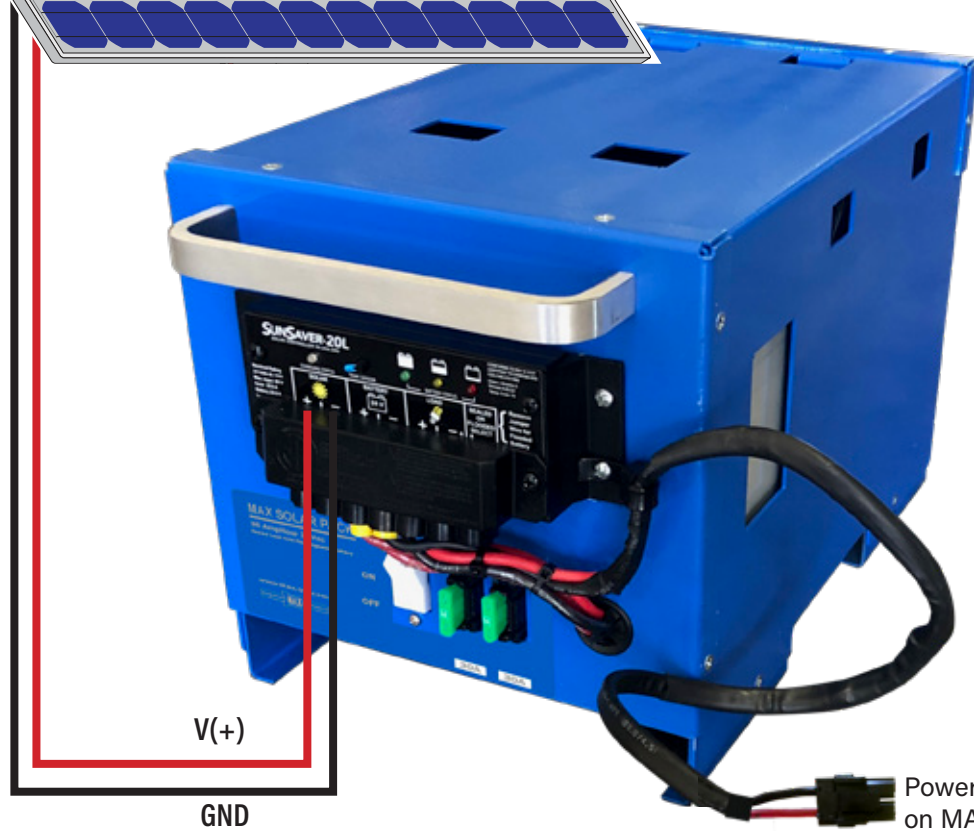
UL325  
Compliant  
UL1741  
Compliant

# QUICK INSTALLATION GUIDE MAX SOLAR PACK



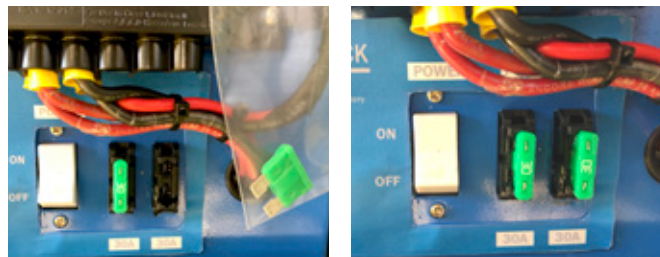
**1** Wire solar panel terminals to solar regulator input  
**Caution:** polarity matters

Choose the proper solar panel size according to chart in **step 10** below



Power IN/Solar IN on MATRIX III

**2** Insert the included fuse into the empty fuse slot (no polarity)



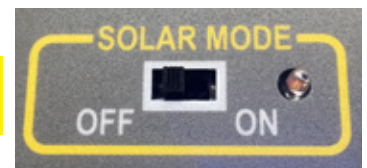
**3** Turn "ON" the white switch located to the left of the fuses



**4** Leave the solar mode switch "OFF" and follow the included installation manual for standard installation and setup of limit switches

**DO NOT TURN ON THE SOLAR MODE SWITCH UNTIL INSTALLATION IS COMPLETED**

ON Matrix III



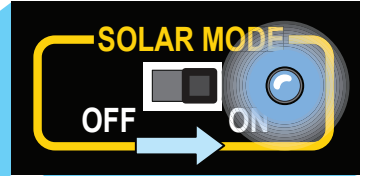
# QUICK INSTALLATION GUIDE MAX SOLAR PACK



## 5 Turn SOLAR MODE ON

Operator will go into low power mode 30 seconds after gate stops moving and loop detectors are not active. While in low power mode:

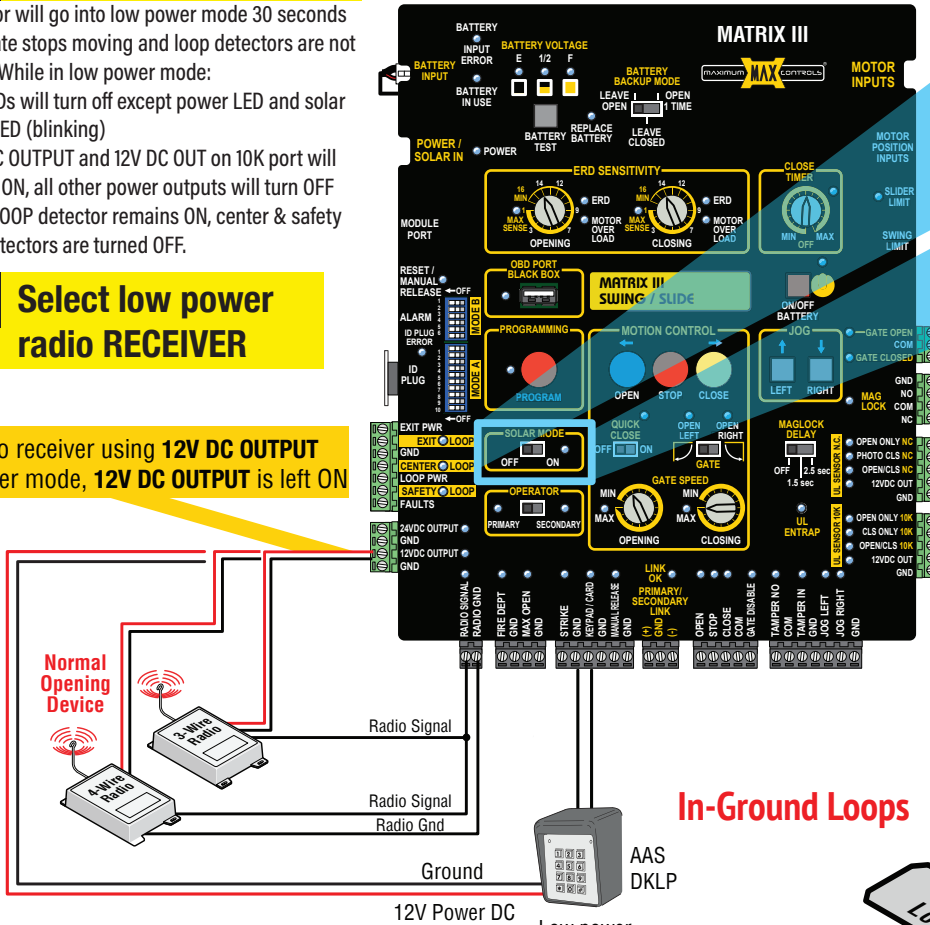
- All LEDs will turn off except power LED and solar mode LED (blinking)
- 12V DC OUTPUT and 12V DC OUT on 10K port will remain ON, all other power outputs will turn OFF
- EXIT LOOP detector remains ON, center & safety loop detectors are turned OFF.



Turn SOLAR MODE ON

## 6 Select low power radio RECEIVER

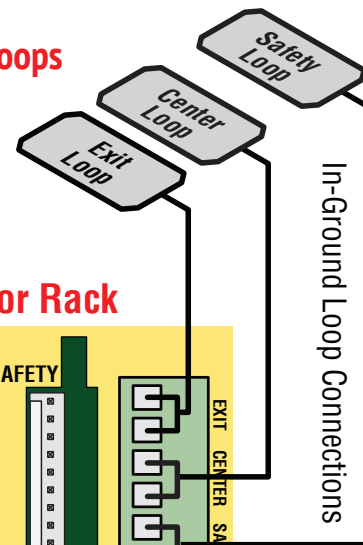
Power radio receiver using 12V DC OUTPUT  
In low power mode, 12V DC OUTPUT is left ON



## 7 Select a low power keypad



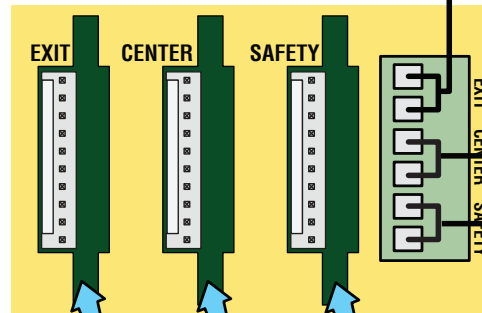
In-Ground Loops



## 8 Select Low Power Loop Detectors

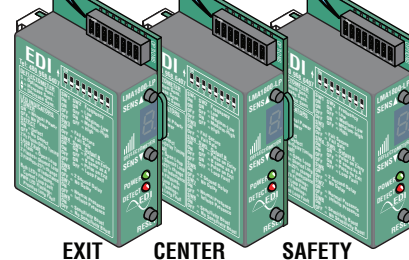
Recommended: Plug-In Loop Detectors  
EDI LMA1800-LP

**NOTE:** While in low power mode, EXIT LOOP detector remains ON, CENTER & SAFETY LOOP detectors are turned OFF



## 9 OPTIONAL

Remove local 7A/Hr batteries from operator and TURN ON DIP Switch MODE A -1



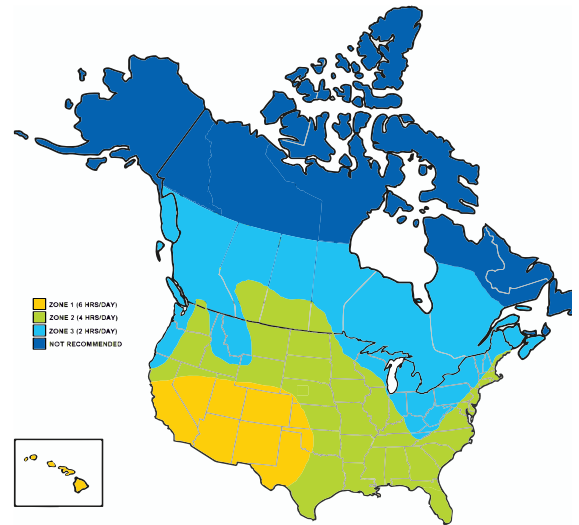
# QUICK INSTALLATION GUIDE MAX SOLAR PACK



## 10 Select proper solar panel

### SWING, PAD MOUNT, LIGHT GATE

MEGATRON PRO		GATE SOLAR CYCLES PER DAY with built-in 36A/Hr battery					
PANEL SIZE	Total System Current Draw (mA)	ZONE 1 (6 Hrs Sunlight/Day)		ZONE 2 (4 Hrs Sunlight/Day)		ZONE 3 (2 Hrs Sunlight/Day)	
		Cycles/day w/1 rainy day	Cycles/day w/10 rainy days	Cycles/day w/1 rainy day	Cycles/day w/10 rainy days	Cycles/day w/1 rainy day	Cycles/day w/10 rainy days
60 W	26	726	137	697	108	669	80
	50	716	127	686	97	657	68
	100	695	106	664	75	632	43
	200	655	65	618	29	582	-7
	250	634	45	595	6	557	-32
85 W	26	760	171	720	131	680	91
	50	750	161	709	120	668	79
	100	730	140	686	97	643	54
	200	689	100	641	52	593	4
	250	668	79	618	29	568	-21
120 W	26	808	218	752	163	696	107
	50	798	209	741	152	684	95
	100	777	188	718	129	659	70
	200	736	147	673	84	609	20
	250	716	127	650	61	584	-5
200 W	26	917	328	825	235	732	143
	50	907	318	814	225	720	131
	100	886	297	791	202	695	106
	200	845	256	745	156	645	56
	250	825	236	723	134	620	31



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.

**USE LOW POWER accessories in order to minimize power draw. Each additional accessory draws power affecting the daily cycle rate.**

### SWING, PAD MOUNT, HEAVY GATE

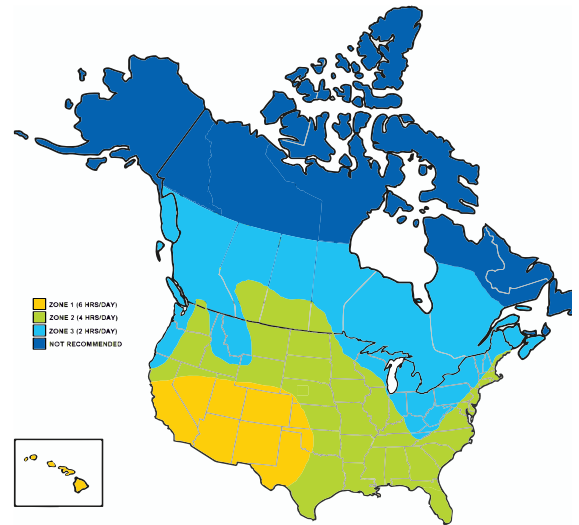
MEGATRON PRO		GATE SOLAR CYCLES PER DAY with built-in 36A/Hr battery					
PANEL SIZE	Total System Current Draw (mA)	ZONE 1 (6 Hrs Sunlight/Day)		ZONE 2 (4 Hrs Sunlight/Day)		ZONE 3 (2 Hrs Sunlight/Day)	
		Cycles/day w/1 rainy day	Cycles/day w/10 rainy days	Cycles/day w/1 rainy day	Cycles/day w/10 rainy days	Cycles/day w/1 rainy day	Cycles/day w/10 rainy days
60 W	26	454	85	436	68	418	50
	50	447	79	429	61	411	42
	100	435	66	415	47	395	27
	200	409	41	386	18	364	-5
	250	396	28	372	4	348	-20
85 W	26	475	107	450	82	425	57
	50	469	101	443	75	418	49
	100	456	88	429	61	402	34
	200	430	62	401	32	371	3
	250	418	49	386	18	355	-13
120 W	26	505	137	470	102	435	67
	50	499	130	463	95	428	59
	100	486	118	449	81	412	44
	200	460	92	420	52	381	13
	250	447	79	406	38	365	-3
200 W	26	573	205	515	147	458	90
	50	567	199	509	140	450	82
	100	554	186	494	126	435	66
	200	528	160	466	98	403	35
	250	516	147	452	84	388	20

# QUICK INSTALLATION GUIDE MAX SOLAR PACK



## SLIDER, PAD MOUNT, LIGHT GATE

MAX SLIDER PRO		GATE SOLAR CYCLES PER DAY with built-in 36A/Hr battery					
PANEL SIZE	Total System Current Draw (mA)	ZONE 1 (6 Hrs Sunlight/Day)		ZONE 2 (4 Hrs Sunlight/Day)		ZONE 3 (2 Hrs Sunlight/Day)	
		Cycles/day w/1 rainy day	Cycles/day w/10 rainy days	Cycles/day w/1 rainy day	Cycles/day w/10 rainy days	Cycles/day w/1 rainy day	Cycles/day w/10 rainy days
60 W	26	454	85	436	68	418	50
	50	447	79	429	61	411	42
	100	435	66	415	47	395	27
	200	409	41	386	18	364	-5
	250	396	28	372	4	348	-20
85 W	26	475	107	450	82	425	57
	50	469	101	443	75	418	49
	100	456	88	429	61	402	34
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	50	499	130	463	95	428	59
	100	486	118	449	81	412	44
	200	460	92	420	52	381	13
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200 W	26	573	205	515	147	458	90
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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.

USE LOW POWER accessories in order to minimize power draw. Each additional accessory draws power affecting the daily cycle rate.

## SLIDER, PAD MOUNT, HEAVY GATE

MAX SLIDER PRO		GATE SOLAR CYCLES PER DAY with built-in 36A/Hr battery					
PANEL SIZE	Total System Current Draw (mA)	ZONE 1 (6 Hrs Sunlight/Day)		ZONE 2 (4 Hrs Sunlight/Day)		ZONE 3 (2 Hrs Sunlight/Day)	
		Cycles/day w/1 rainy day	Cycles/day w/10 rainy days	Cycles/day w/1 rainy day	Cycles/day w/10 rainy days	Cycles/day w/1 rainy day	Cycles/day w/10 rainy days
60 W	26	302	57	291	45	279	33
	50	298	53	286	41	274	28
	100	290	44	277	31	263	18
	200	273	27	258	12	242	-3
	250	264	19	248	3	232	-13
85 W	26	317	71	300	55	283	38
	50	313	67	295	50	278	33
	100	304	59	286	41	268	23
	200	287	41	267	22	247	2
	250	278	33	258	12	237	-9
120 W	26	336	91	313	68	290	45
	50	332	87	309	63	285	40
	100	324	78	299	54	275	29
	200	307	61	280	35	254	8
	250	298	53	271	25	243	-2
200 W	26	382	136	344	98	305	60
	50	378	132	339	94	300	55
	100	369	124	330	84	290	44
	200	352	107	311	65	269	23
	250	344	98	301	56	259	13