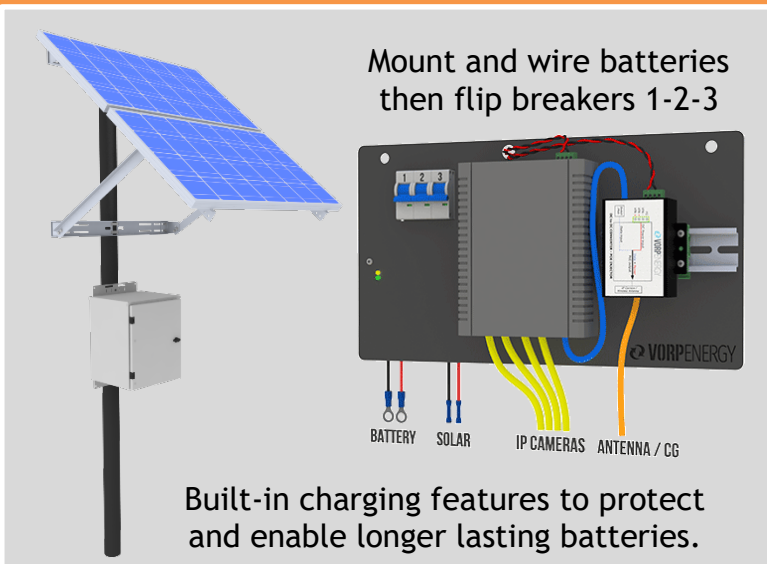


# Solar Power Kits

**KBC** 949.297.4930  
sales@kbcnetworks.com

KBC's advanced remote solar power solutions are cost effective and renewable energy sources specifically designed to support the demand of critical infrastructure surveillance equipment.

- ✓ Kits include integrated charge controller & power assembly.
- ✓ High efficiency solar panels and rugged pole mounts.
- ✓ Compatible with lead acid and lithium iron phosphate batteries.
- ✓ Lockable enclosures with space for battery banks offering several days of stored power without re-charge.



## Benefits & Savings:

- ✓ Reduce install costs
- ✓ Eliminate high voltage installation
- ✓ Renewable energy
- ✓ Low voltage, no surges
- ✓ Years of low maintenance operation
- ✓ Able to support all sorts of equipment

**KBC**

data delivered

www.kbcnetworks.com

# Which solar kit for my need?

Solar power solutions built to support the equipment power draw on any day including December 21<sup>st</sup>. Use our [online calculator](#) to see the map for referenced solar zones below.

Kit Model #'s	Solar Panel Array	Max average wattage support in winter months <i>(assumes clear sunny days)</i>				
		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
KBC-AL2-100W	1x 100W	14	12	9	-	-
KBC-AL2-200W	1x 200W	28	25	18	13	-
KBC-AL2-300W	3x 100W	45	35	27	18	10
KBC-AL2-400W	2x 200W	52	46	35	24	13
KBC-AL2-600W	Dual 2x (3x100W)*	90	70	54	36	20
KBC-AL2-800W	Dual 2x (2x200W)*	103	92	70	48	25
KBC-AL5-200W	1x 200W	28	25	18	13	-
KBC-AL5-300W	1x 300W	45	35	27	18	10
KBC-AL5-400W	2x 200W	52	46	35	24	13
KBC-AL5-600W	Dual 2x (3x 100W)*	90	70	54	36	20
KBC-AL5-800W	Dual 2x (2x200W)*	120	92	70	48	25
KBC-AL5-1200W	Quad 4x (3x100W)**	180	140	108	72	40
KBC-AL5-1600W	Quad 4x (2x200W)**	214	192	148	104	58

\* Dual refers to two arrays of solar panels connected to each other then stacked on top of one another on the pole for a dual array system.

\*\* Quad refers to the top of pole mount solar panel array

See solar map for your zone at [www.kbcnetworks.com/support/solar-estimator](http://www.kbcnetworks.com/support/solar-estimator)

Got an application needing solar and wireless/cellular design assistance?



SCAN HERE  
AND SUBMIT  
TO OUR TEAM  
<<<<

Each KBC “AL2” or “AL5” solar kit offers an enclosure with integrated power assembly and charge controller. Each enclosure doubles as a battery cabinet which can fit numerous battery bank options. KBC offers batteries for sale or the installer can source them locally. Below is a reference guide assuming full charged battery banks in temperate conditions. Due to conditions beyond our control, KBC does not guarantee the following backup stored energy figures. It is best practice to allow for additional overhead in all solar and battery calculations.

Type	Battery Size		Qty	Wiring	Battery Bank Size	Fits in (AL2 / AL5)	Hours of backup (at constant avg wattage draw)					
	Voltage	Amp Hours					24W	36W	48W	60W	72W	90W
SLA	12	55	2	Series	24V 55AH	All	25	16.67	12.5	-	-	-
SLA	12	100	2	Series	24V 100AH	All	50	33.33	25	20	-	-
Lithium	12	100	2	Series	24V 100AH	All	160	106	80	64	53	42
SLA	12	100	4	Series	24V 200AH	AL5	100	66.67	50	40	33.3	-
SLA	12	250	2	Series	24V 250AH	AL5	125	83.33	62.5	50	41	33.3
SLA	12	250	4	Series	24V 500AH	(2) AL5	N/A	N/A	125	100	82	66
Lithium	12	100	4	Series	24V 200AH	(1) AL5	N/A	N/A	160	128	106	84

## Get in Touch

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