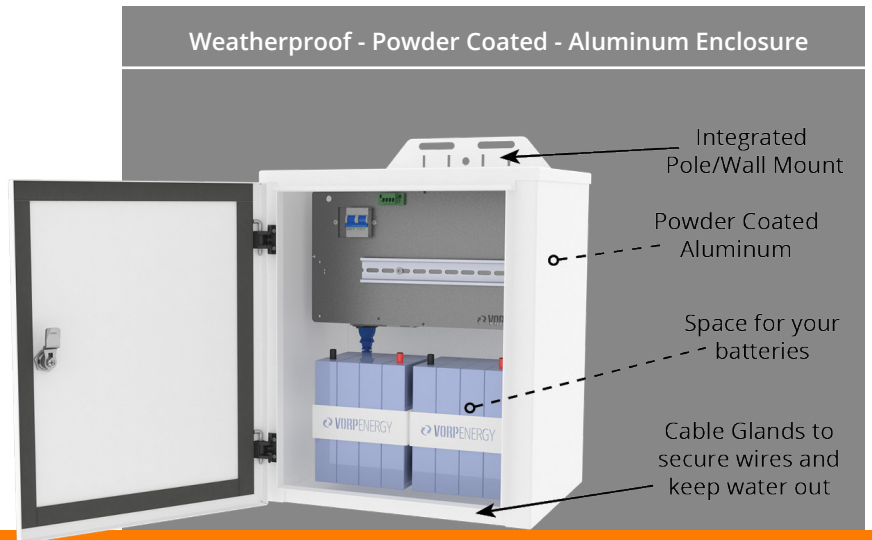


# Remote Power Solutions

A clean, affordable, renewable solution that gives you reliable, 24/7 power for all types of equipment in any environment. Many different voltage & output options available.

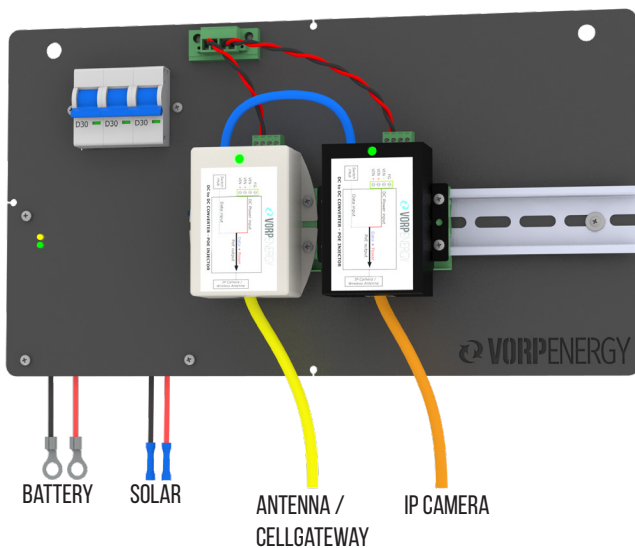


## Remote Power Solutions

### Popular Applications

- Surveillance with Antenna
- Surveillance with Cellular Gateway
- Wireless Bridges / Backhails
- Remote Access Points
- IoT & M2M
- SCADA Networks
- LED Lighting

Pre-configured Power Assembly with our Pre-Installed Advanced MPPT Charge Algorithm based on Zone  
(Example below shows PoE injectors on DIN rail)



### KBC Remote Power Benefits

- Eliminates the need to trench for power
- Field Proven / Compact / Rugged
- Engineered to work with both Lithium Phosphate and Sealed Lead Acid (AGM / Gel) batteries (not included)
- Up to 5 days of backup time available
- Power Output Options Available: (18, 24, 48, 56V PoE), (12, 24, 48, 56 VDC), (24 VAC), (120 - 240VAC)
- Remote Power Kit Includes:  
Solar Panels with Mount, Enclosure with Mount & Pre-Configured Power Assembly



### KBC Networks

📍 15 Brookline  
Aliso Viejo, CA 92656  
📞 Phone : + (949)297-4930  
✉ E-Mail : sales@kbcnetworks.com

Simple "Plug and Play" Design. Just mount to a pole & plug your equipment into the available Powered Terminal Blocks.

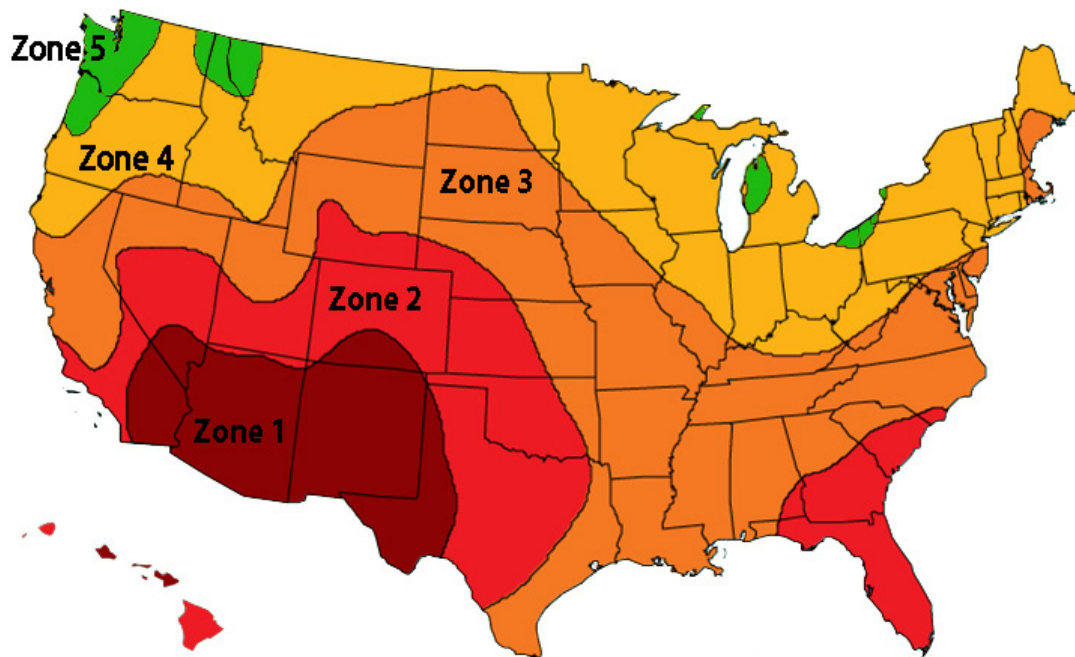
*Provides Continuous Power  
Day and Night!*



<b>Step 1</b>	Determine the amount of power you will require to power your equipment. This is called the "Load". The Load is calculated by multiplying Volts x Amps. (Volts x Amps = Watts)
<b>Step 2</b>	See the map below to determine which Zone the equipment will be installed in. Different Zones receive different amounts of Peak Sun Hours.
<b>Step 3</b>	Refer to the color coded table below. Use your determined Zone and your Load in Watts to select the appropriate Part # in the right column.

Find your Zone and Load in Watts					Part #
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	
14 W	12.5 W	9.5 W	6.5 W	3.5 W	KBC-AL2-100W
27 W	25 W	19 W	13 W	7 W	KBC-AL2-200W
45 W	35 W	27 W	18 W	10 W	KBC-AL2-300W
90 W	70 W	54 W	36 W	20 W	KBC-AL2-600W

14 W	12.5 W	9.5 W	6.5 W	3.5 W	KBC-AL5-100W
27 W	25 W	19 W	13 W	7 W	KBC-AL5-200W
45 W	35 W	27 W	18 W	10 W	KBC-AL5-300W
90 W	70 W	54 W	36 W	20 W	KBC-AL5-600W
103 W	92 W	70 W	48 W	25 W	KBC-AL5-750W
180 W	140 W	108 W	72 W	40 W	KBC-AL5-1200W



**NOTE:** This map shows the average Peak Sun Hours for the year. However, December and January consist of the shortest days of the year. The Remote Power Series has been designed to provide continuous power year round. To ensure uninterrupted power, these kits are sized as if it were December 21st every day of the year.

						
<b>Enclosure Part #</b>	<b>AL2</b>			<b>AL5</b>		
<b>Enclosure Size (Inside Dimensions)</b>	<b>H</b>	<b>W</b>	<b>D</b>	<b>H</b>	<b>W</b>	<b>D</b>
	21.5"	16"	13"	30"	22"	13"
<b>Enclosure Weight</b>	13 LBS			33 LBS		
<b>Material</b>	Powder Coated Aluminum					
<b>Lockable</b>	Lockable with Padlock (Padlock not Included) or Locking Wing-Knob (Sold Seperate)					
<b>Mounting System</b>	Integrated Mounting System (Included)					
<b>* Lithium Battery Capacity</b>	240 Ah Equal to ~ 480 Ah of SLA			480 Ah Equal to ~ 960 Ah of SLA		
<b>SLA Battery Capacity (12V Batteries)</b>	200 Ah			500 Ah		

\* Energy available in Lithium is about double that of Sealed Lead Acid do to the fact that you can use 80-90% of stored power in a Lithium battery but only 50% in a Sealed Lead Acid Battery.

<b>Plug &amp; Play Kit Part #</b>	KBC-AL2/5-100W	KBC-AL2/5-200W	KBC-AL2/5-300W	KBC-AL2/5-600W	KBC-AL2/5-750W	KBC-AL2/5-1200W
<b>Solar Array Size</b>	100W	200W	300W	600W	750W	1200W
<b>Individual Panel Dimensions</b>	40" x 27"	40" x 20"	65" x 39"		78" x 39"	65" x 39"
<b>Number of Panels</b>	(1) 100W	(2) 100W	(1) 300W	(2) 300W	(2) 375W	(4) 300W
<b>Solar Array Dimensions</b>	40" x 27"	40" x 54"	65" x 39"	(2) 65" x 39"	(2) 78" x 39"	130" x 78"
<b>Solar Panel Connection</b>	N/A	Series	N/A	Series	Series	2 in Series & 2 in Parallel
<b>12V Battery Connection</b>	Parallel			Series or Parallel		Series
<b>Voltage Output</b>	12 VDC			12 or 24 VDC		24 VDC
<b>Solar Mount</b>	VE-SPM27	VE-SPM55X		(2) VE-SPM55X		VE-TPM4
<b>Wind Rating</b>	90 MPH	115 MPH				100 MPH
<b>Recommended Pole Size</b>	4" – 6" Schedule 40 Ridged Metal					8" Pole (Included)
<b>Solar Charge Controller</b>	Advanced Max Power Point Tracking (MPPT) with Preinstalled Advanced Charge Algorithm					
<b>Required Battery Type</b>	Lithium Iron Phosphate or Sealed Lead Acid (Absorbent Glass Matt (AGM) or Gel)					
<b>Operating Temperature</b>	-40° C to +60° C (-40° F to +140° F) (SLA Batteries can lose up to 50% of stored energy in temperatures below 32° F)					

Mount For Solar Panel used in 100W Kit

Single Arm Adjustable Angle Mount

Mount for (1) 100 Watt Solar Panel

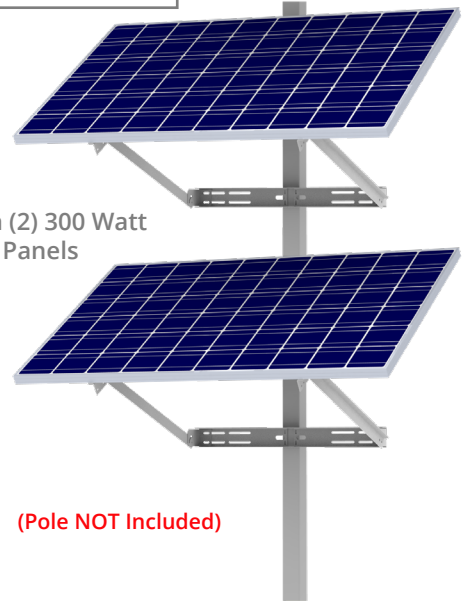


(Pole NOT Included)

Mount For Solar Panels used in 200W - 750W Kits

4 Arm Adjustable Angle Mount

Mount with (2) 300 Watt Solar Panels



(Pole NOT Included)

Top of Pole Mount used in 1200W Kit - (Pole is Included with mount)

Top of Pole Adjustable Angle Mount



Mount for (4) 300 Watt Solar Panels

