PowerRack®
INSTALLATION GUIDE

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Step 1

Set and space the PowerRacks

- Establish your rows according to the layout design and azimuth orientation.
- The spacing between PowerRacks will be determined by module length.
- Mark start and end of the row and set line using string, chalk, or edge form.
- Place PowerRacks along the line at determined spacing.

Step 2

Fill PowerRacks with ballast material

- The amount of ballast needed is determined by the required wind speed tolerance.
- Depth indicators depicted inside each PowerRack are a helpful guide.
- For precision, weigh one PowerRack with various ballast levels.
- Take care to maintain alignment during ballasting.
- The use of a jig or form is a helpful way to maintain PowerRack alignment.
- Ballasting machines: Side Discharge Buckets, Cross Conveyors, Slinger Trucks, etc.

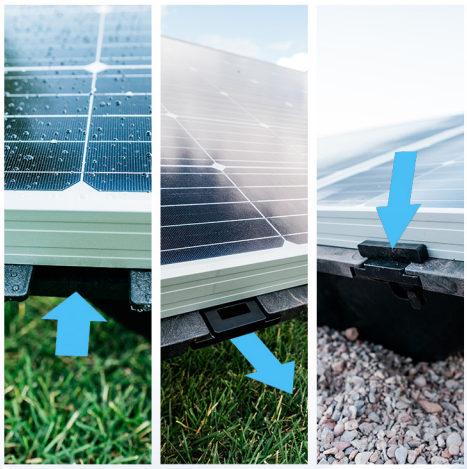
Step 3

Mount PV modules on PowerRacks

- Modules are mounted in landscape orientation.
- Two people are best for mounting, one person holding each long side.
- At the high side of the PowerRack, set module frame on the extended tabs.
- Lower the module to rest fully on the PowerRack.

Step 4

Install Sliding Retainer Clips & Locking Keys



- Push Sliding Retainer Clip into place under the module frame.
- Raise the clip to press against bottom of module frame.
- Pull clip outward until its tabs firmly grasp the frame flange.
- Insert Locking Key by pressing its teeth into the retainer clip.

Racking is now complete. Modules are ready for connection and grounding.

WIRING AND ELECTRICAL INSTALLATION SHOULD BE PERFORMED BY A LICENSED ELECTRICIAN.

For additional guidance:
Call us at **888-788-8007** or email **info@powerfieldenergy.com**

www.powerfieldenergy.com/faqs

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