

Complete the Following Prior to Starting Installation

Post-Training and Pre-Permitting / System Design and Load Analysis

- Determine which NEC edition is enforced in the area.
- Perform an In-Home Consultation (IHC) with prospective client(s)
 - Establish customer expectations and priorities for PWRcell™ system.

Example: The client primarily wants a system that will reduce their consumption of grid power, and, secondarily, reduce their dependency on the grid by providing battery backup for when there is a power outage.

- Determine battery backup expectations (loads to backup) with client.

NOTE: Use the Preliminary Estimate (IHC) section within the PWRcell Sizing Worksheet. This worksheet is available at: www.generac.com/resources-and-tools/clean-energy-installer-resources.

- Establish the Generac pre-approved single-line diagram (SLD) you will be using.

NOTE: When islanding with no PV production, the battery will be the only source for backup power.

- Verify the space where the Generac PWRcell Battery is being installed meets the site requirements specified in the Generac PWRcell Battery Installation Manual.

- Perform a load analysis to calculate the amount of battery backup capacity and power output required.

NOTE: Use the detailed panel sizing section within the PWRcell Sizing Worksheet. This worksheet is available at: www.generac.com/resources-and-tools/clean-energy-installer-resources.

- Determine PV string sizing requirements.

NOTE: PowerPlay users may use the PV Link Sizing Calculator. If not a PowerPlay user, please refer to the PV Link Sizing Worksheets. This worksheet is available at: www.generac.com/resources-and-tools/clean-energy-installer-resources.

See the Generac PV Link Installation Manual for more information.

- Submit all required permitting documentation.

Post-Permitting and Pre-Purchase / Review Bill of Materials and Obtain Labels

Bill of Materials - Key Considerations.

- For battery configurations with an odd number of battery modules (i.e. 3 or 5): Include battery spacer (one per PWRcell battery assembly)
- Verify you have the following:
 - Required labels per NEC.
PV labels are available at: www.pvlabels.com.
 - Bill of Materials (BOM) for the site.
For BOM assistance, contact your distributor or call Generac Clean Energy inside sales at 1-888-GENERAC ext. 1861.
 - MC4 'Y' connectors if needing to parallel PV links.

Post-Purchase and Pre-Installation

- CAT5 cable for Internet access to the Generac PWRcell Inverter and current transformer signal wire.
- Homeowners email address for system registration.
- Remove the DC Disconnect Warning Label from the Generac PWRcell Inverter REbus terminals before wiring.
- Bring multimeter for pre-commissioning and commissioning (600V, 40A AC/DC capable).
- Contact the utility for an interconnection agreement.

For reference material such as approved SLD's, Product Manuals, and Product Spec Sheets go to www.generac.com/service-support/product-support-lookup and enter the product model number or SKU.

If you need help with any part of this preparation, contact Generac Customer Support 1-888-GENERAC (1-888-436-3722) or visit www.generac.com/contact-us.