



## INSTALLATION QUICK START

**Grid Tied Residential Inverter Models**  
PVP1100, PVP2000, PVP2500, PVP2800, PVP3000,  
PVP3500, PVP4600, PVP4800, and PVP5200

*This Quick Start Guide provides basic information for installing the PV Powered Grid Tied Residential Inverter.*

### Product Package

Your inverter comes with the following:

- Installation and Operations Manual
- Installation Quick Start Guide
- System Warranty Checklist
- Positive and Negative Grounding Jumpers

### SAFETY INSTRUCTIONS

**Please read all safety warnings and instructions before installing or operating the Inverter. The Installation and Operations Manual contains important instructions for the PV Powered Grid Tied Residential Inverter product line that must be followed during installation and maintenance of these Inverters.**

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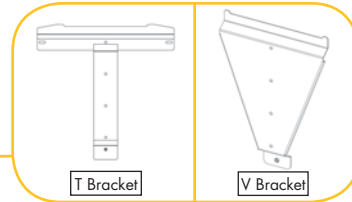
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## Install the Inverter

The following steps give you a quick overview of how to install and commission your Inverter. For more details, please refer to the Installation and Operations Manual.

1. Level and secure the Inverter mounting bracket to the wall. One of the brackets shown at right is provided, depending on the Inverter size.

Figure 1



2. Hang the Inverter on the mounting bracket, being careful not to damage the Inverter display.

Figure 2



3. With the lid removed, secure the Inverter cabinet to the mounting bracket. The mounting screw location is inside the cabinet and below the power board.

Figure 3

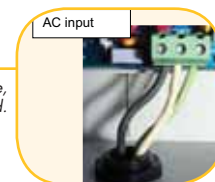


4. Wire the AC.

- Perform a tug check on each wire to verify proper insertion.

Figure 4

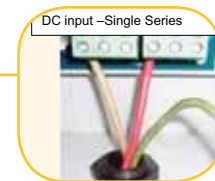
**NOTE:** In the **PVP1100** unit, Line 1 is the only phase voltage wire, Line 2 is the neutral, and Line 3 is the AC Ground.



5. Wire the DC circuit(s).

- Follow recommended practices and isolate both POS and NEG conductors all the way to the Inverter.
- Single series has one POS and NEG at DC input.
- Two parallel series have two POS and two NEG at DC input.
- Perform a tug check on each wire to verify proper insertion.

Figure 5



## Commission the Inverter

**When you turn on the Inverter for the first time, complete these steps in the following sequence:**

1. Make sure the Inverter is disconnected from the input source(s) by verifying both AC/DC disconnects are open.
2. Verify DC Voc voltages are within specified ranges as determined by the system design.
3. Determine the system's DC polarity as recommended by the PV module manufacturer.
  - The polarity determines which grounding jumper you will install.

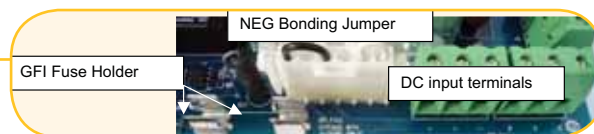
### 4. Install the grounding jumper.

- Remove the ground fault fuse.
- Check the fuse's continuity.
- Install either the Negative or Positive grounding jumper (depending on DC polarity).

Figure 6



Figure 7



5. Perform a ground fault check; see section 3.1 of the Installation and Operation Manual. Locate and remove any ground fault before proceeding.
6. Re-install the GFI Fuse.
7. Secure the lid of the Inverter and energize the system.



## Start Up the Inverter

1. Turn the AC breaker ON.
  - Verify that the RED LED is illuminated (upper left corner of front panel).
  - Confirm that the PV array open circuit voltage is at or below the level specified in table 2.4 of the Installation and Operations Manual.
2. Turn the DC disconnect ON.
  - After five minutes, the Inverter will start to produce power if adequate sunlight is present.
3. Check the LED indicator(s) lights to make sure the Inverter is operating properly:
  - GREEN LED – operating safely
  - Flashing RED LED – fault condition
  - Solid RED - the Inverter is turned OFF.

**NOTE:** If there is a Fault or Unsafe condition, refer to the Troubleshooting section of the Installation and Operations Manual.